

Figure 1A-D

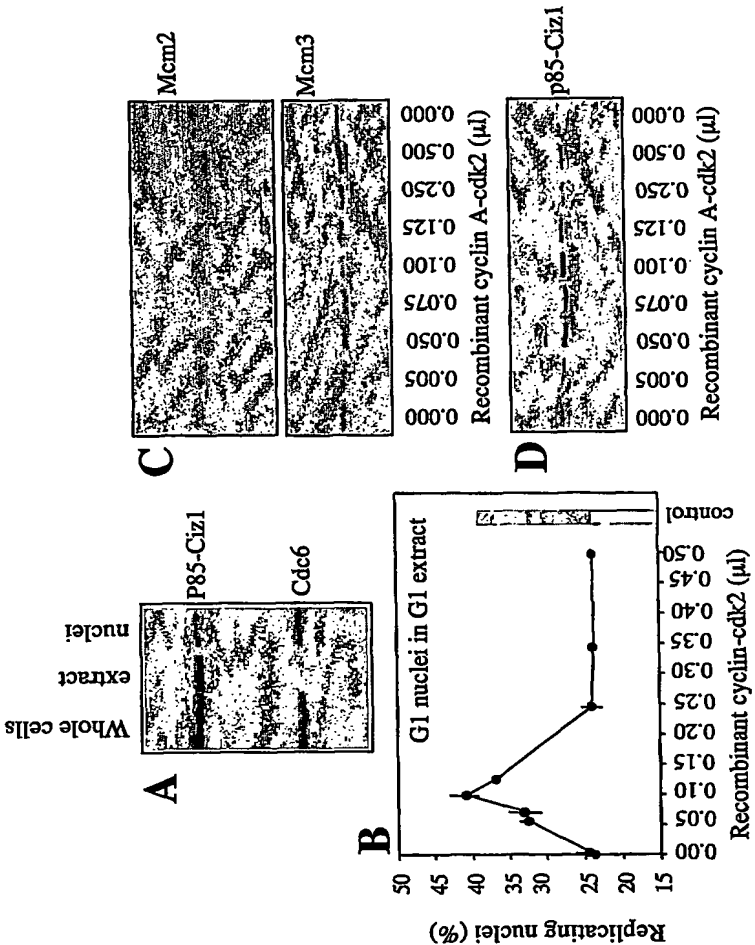


Figure 2A and B

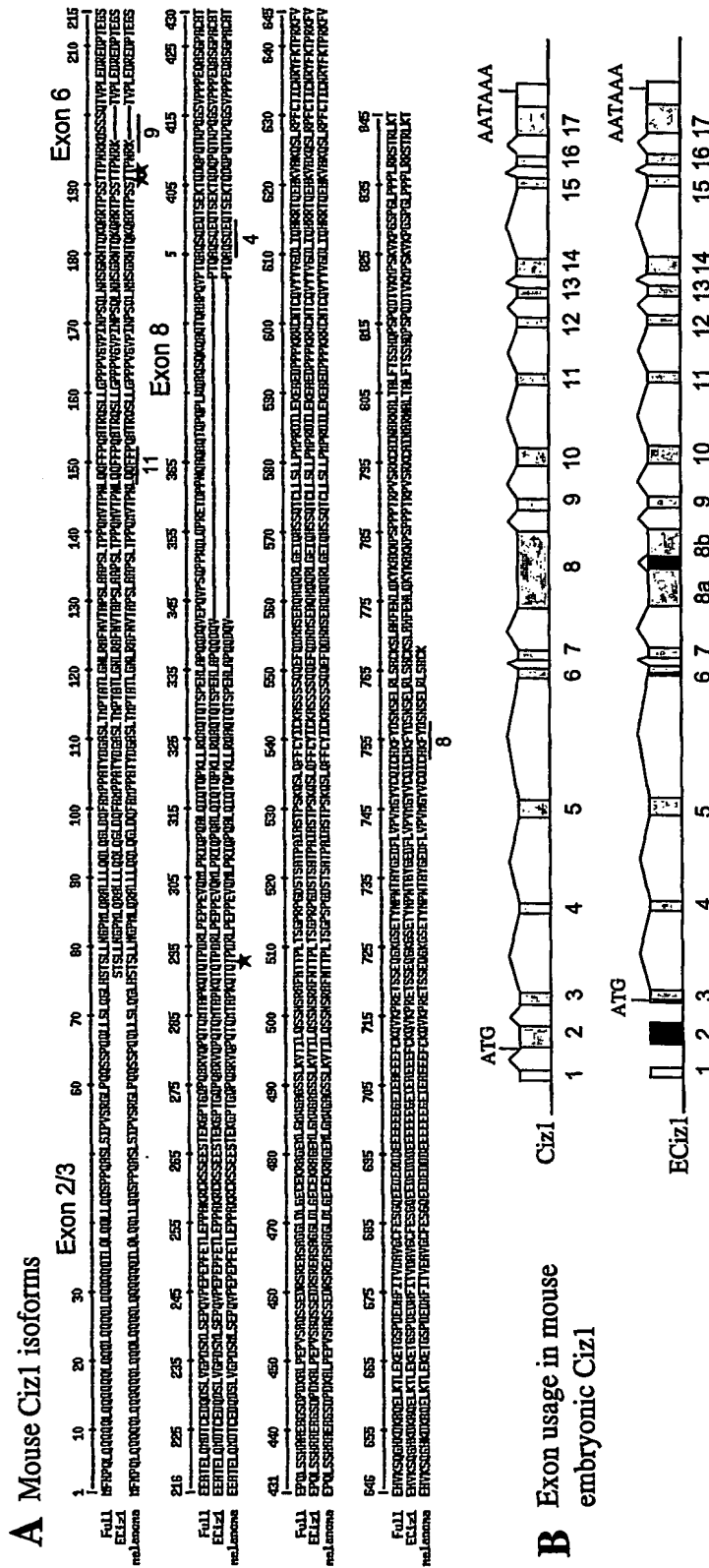


Figure 2C and D

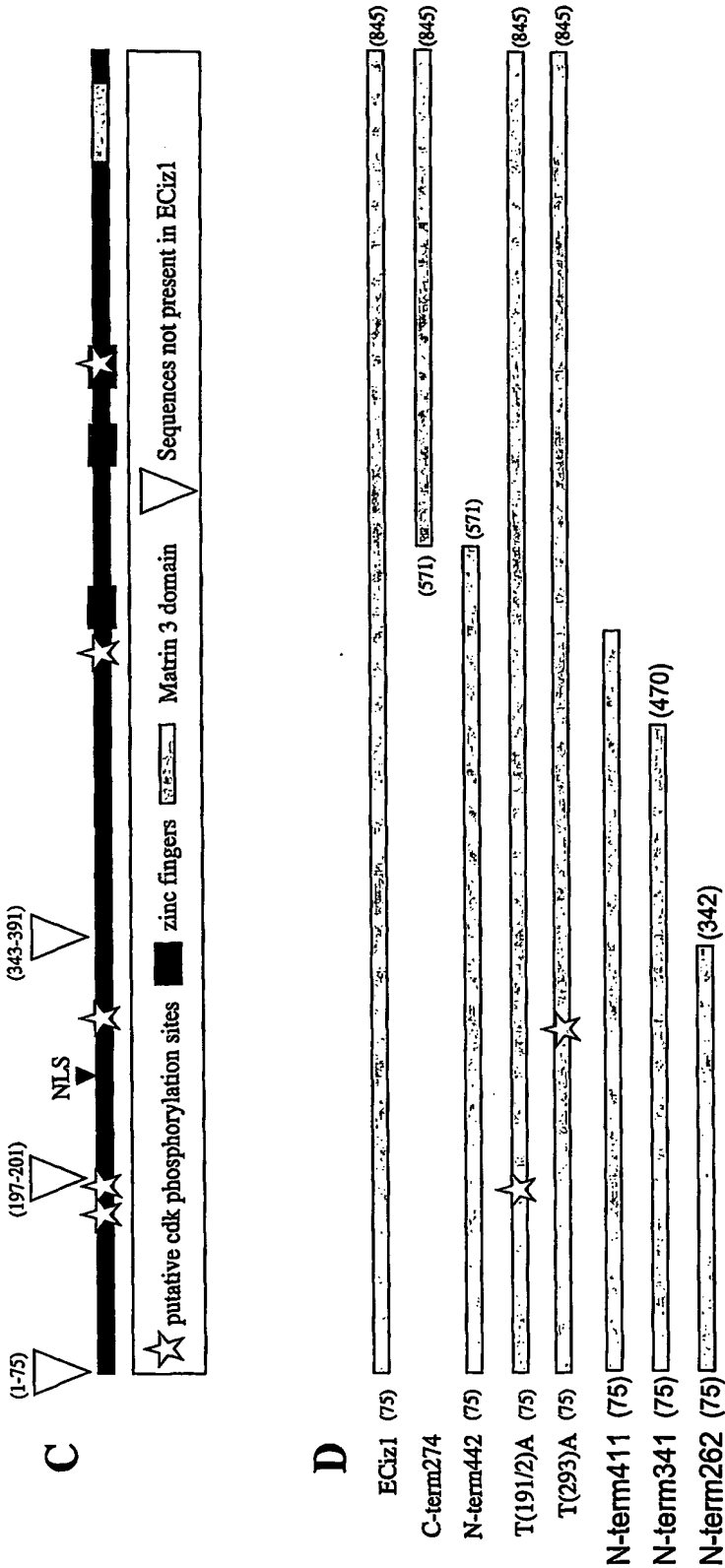
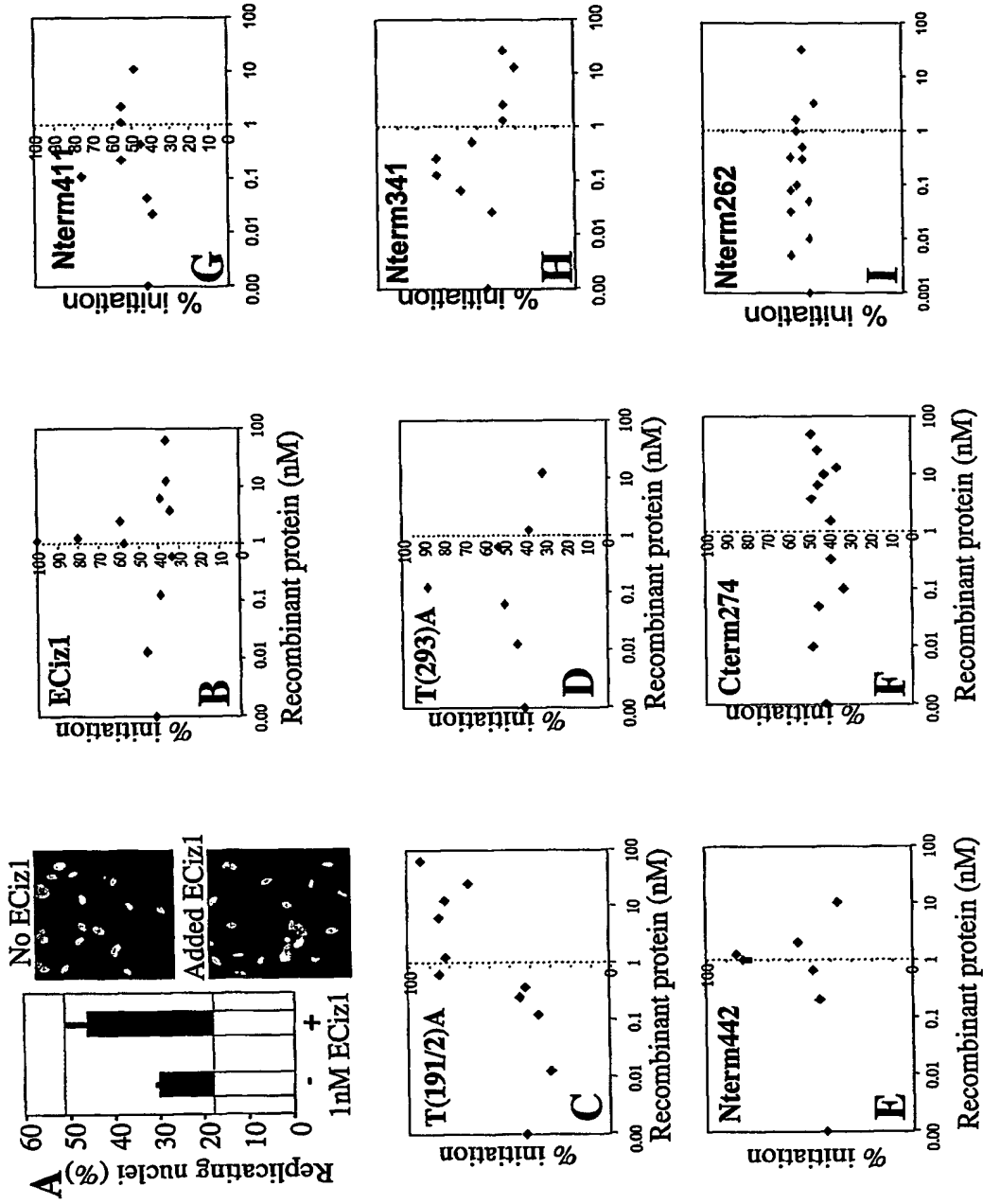


Figure 3A to I



10 / 5 2 7 2 2 8

Figure 4A-C

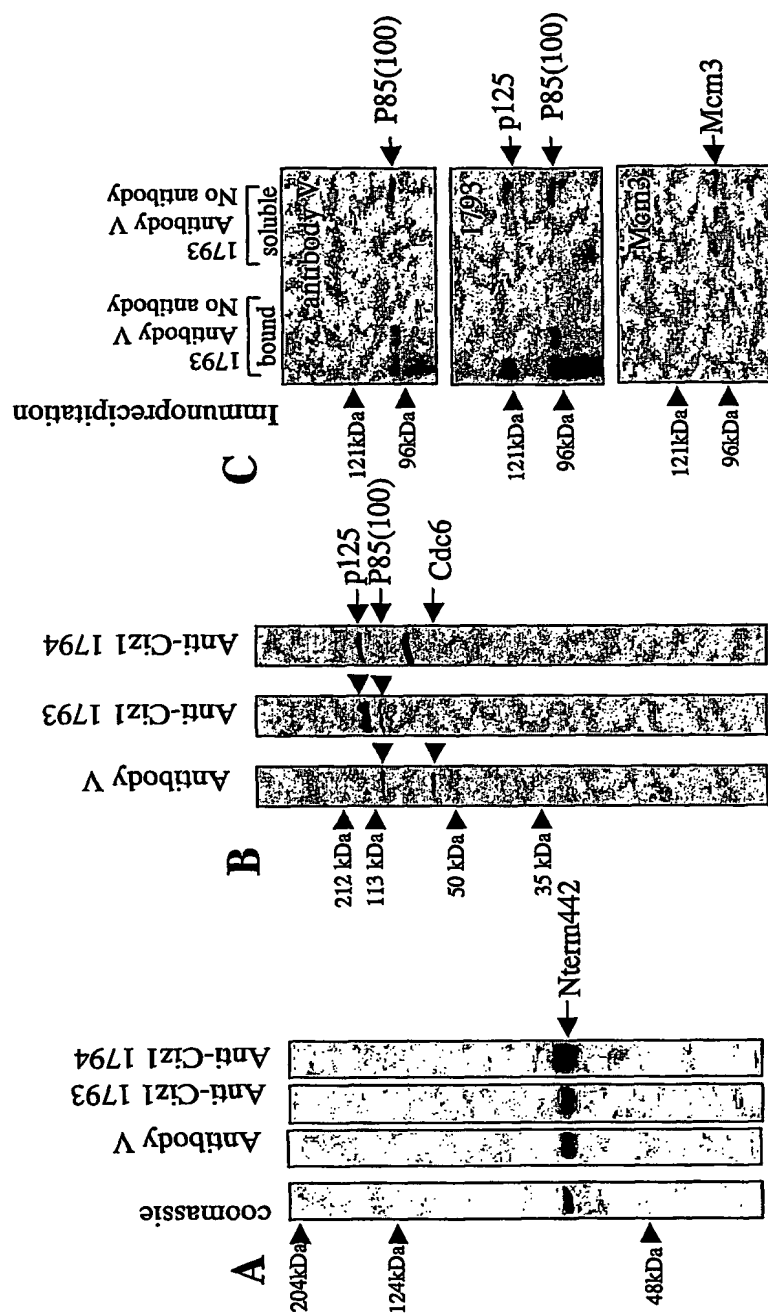


Figure 5A-F

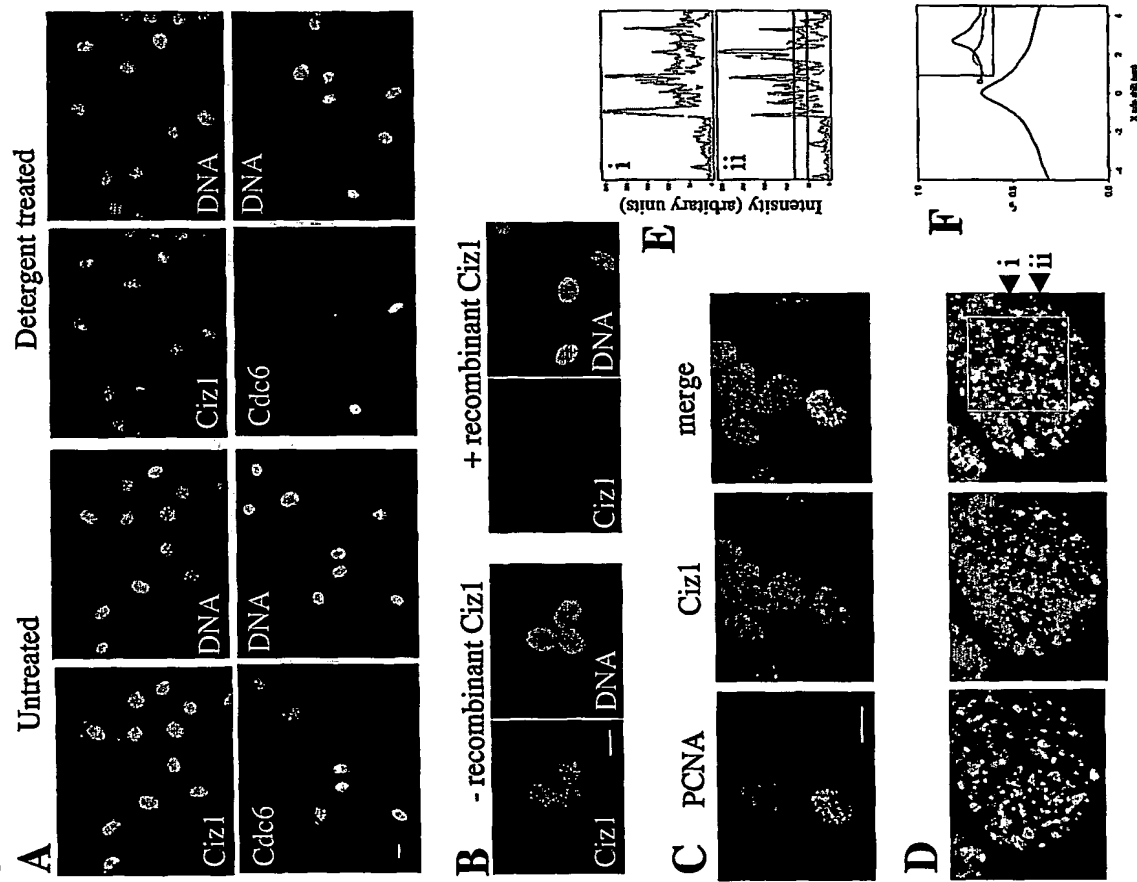


Figure 6A and B

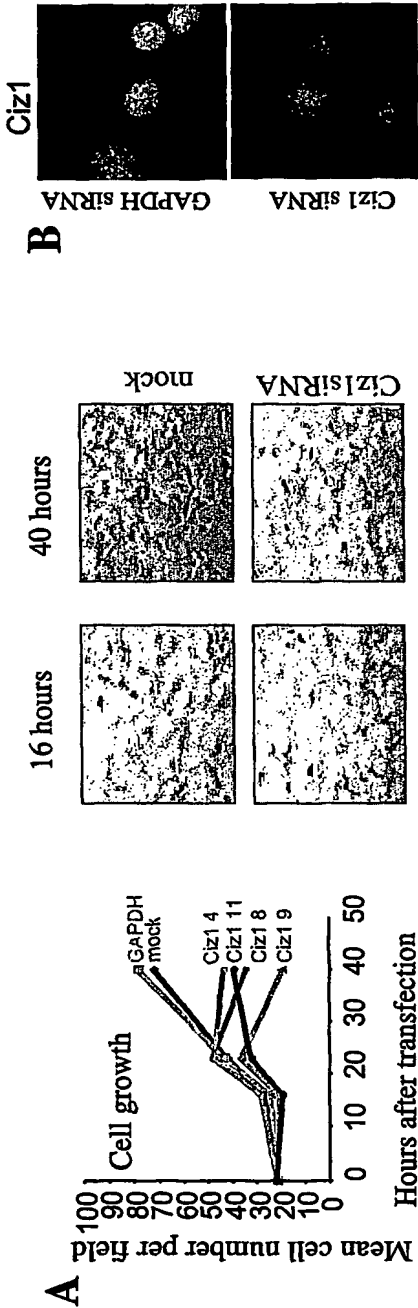


Figure 6C to F

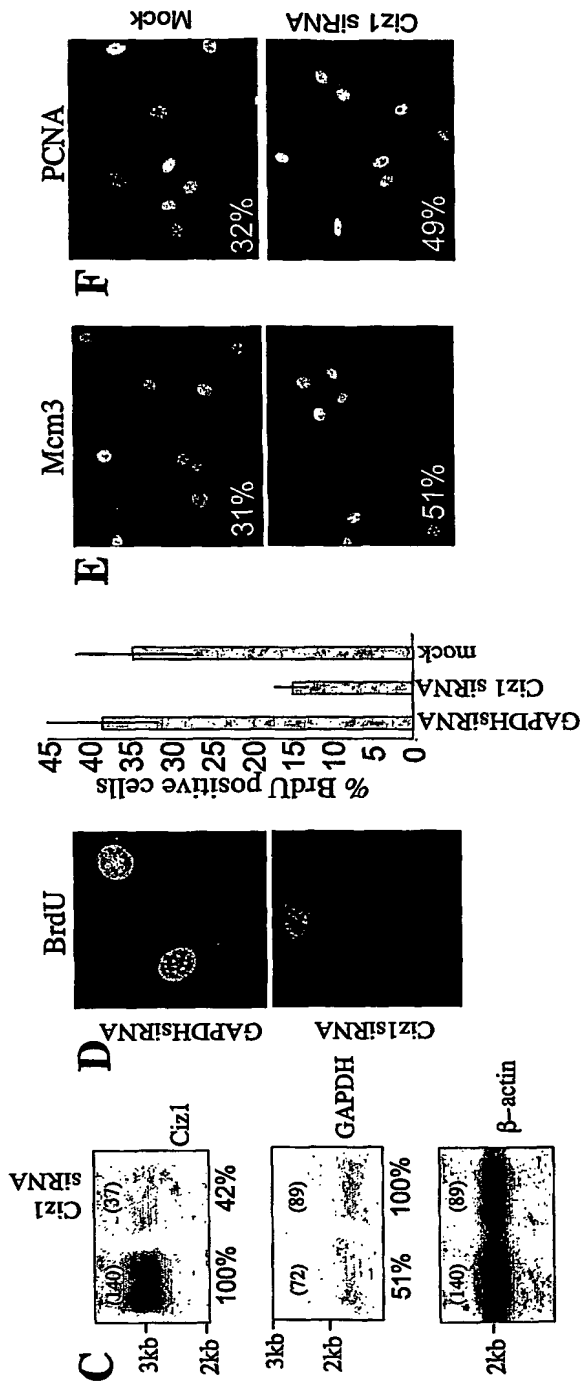


Figure 7

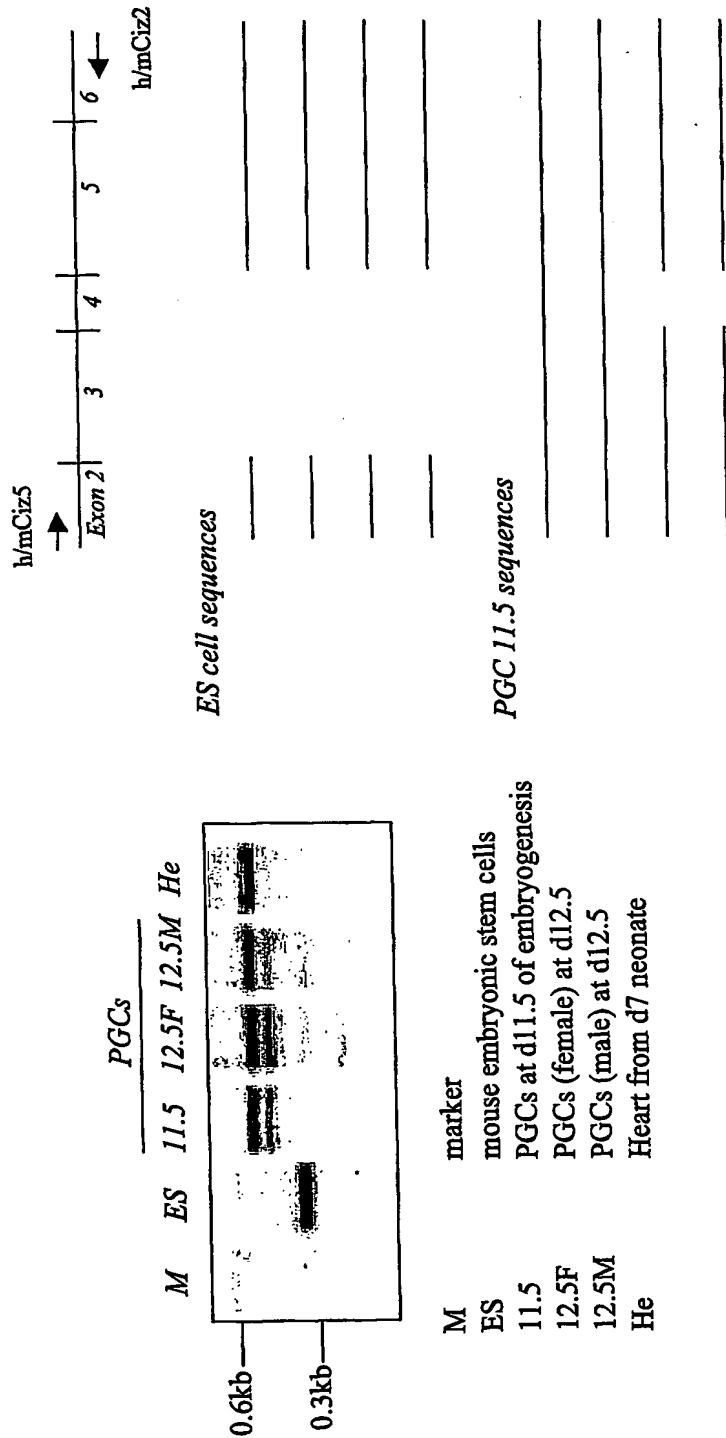


Figure 8A to D

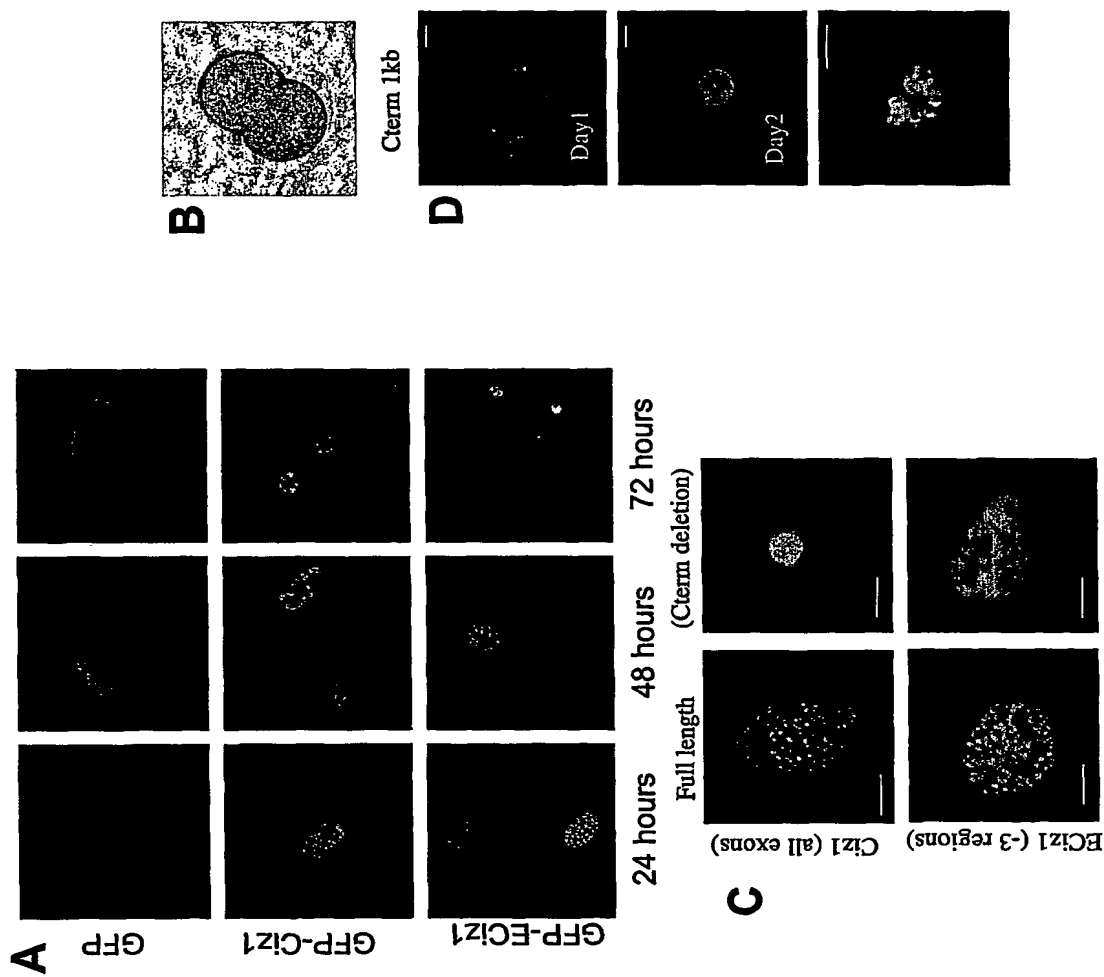


Figure 8E

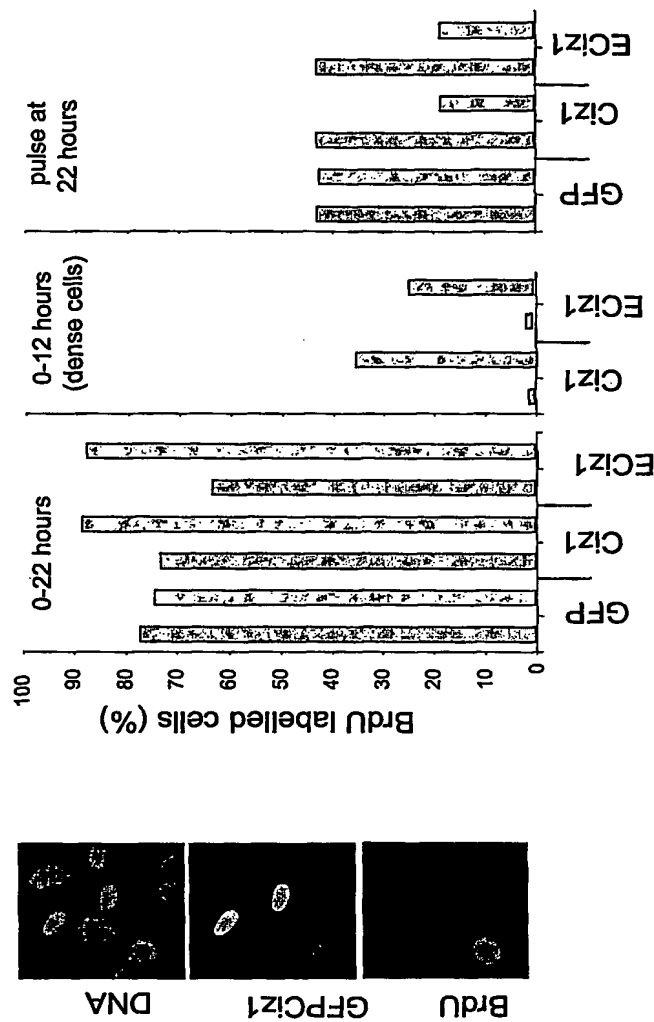


Figure 9A

ECiz1 Nterm442



Ciz1 Nterm(442 equivalent)

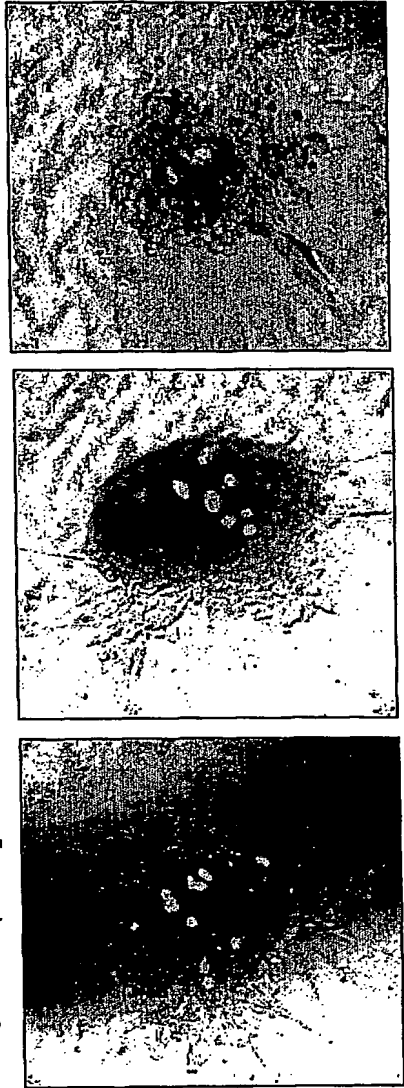


Figure 10

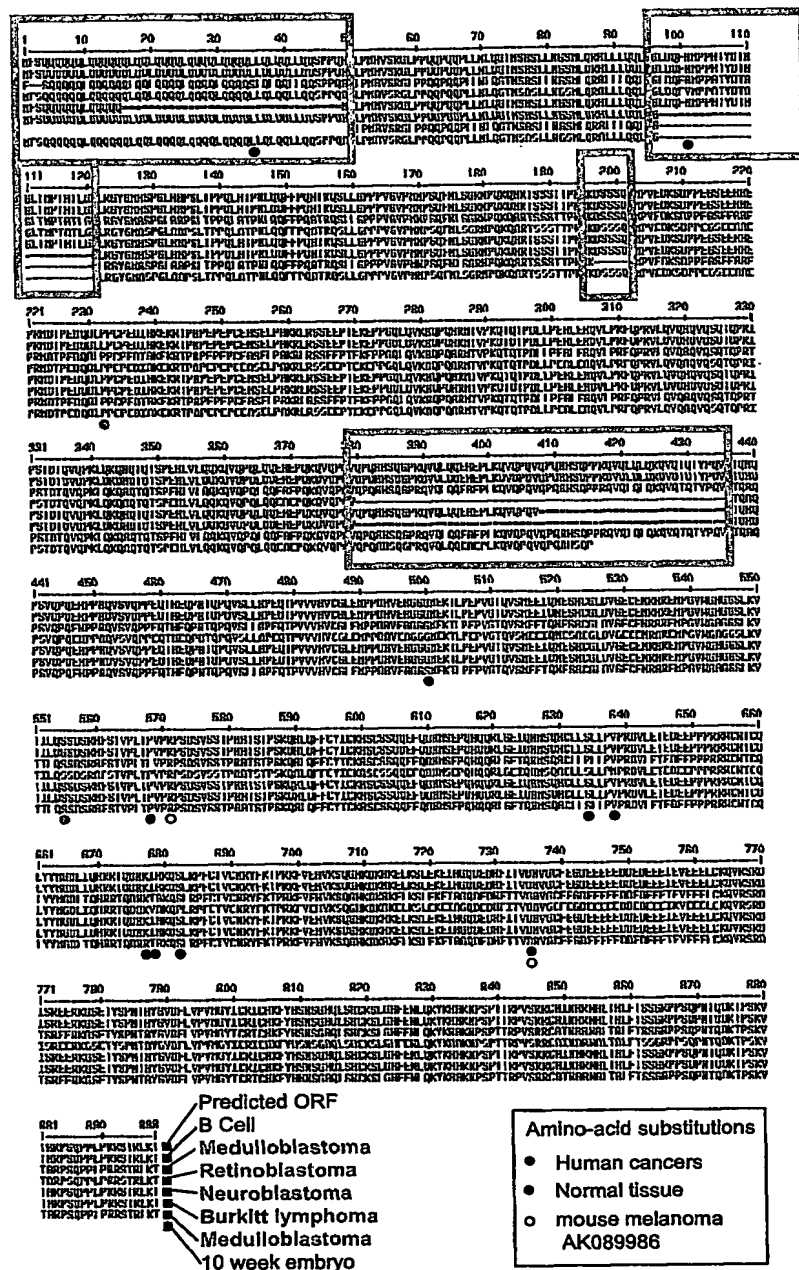
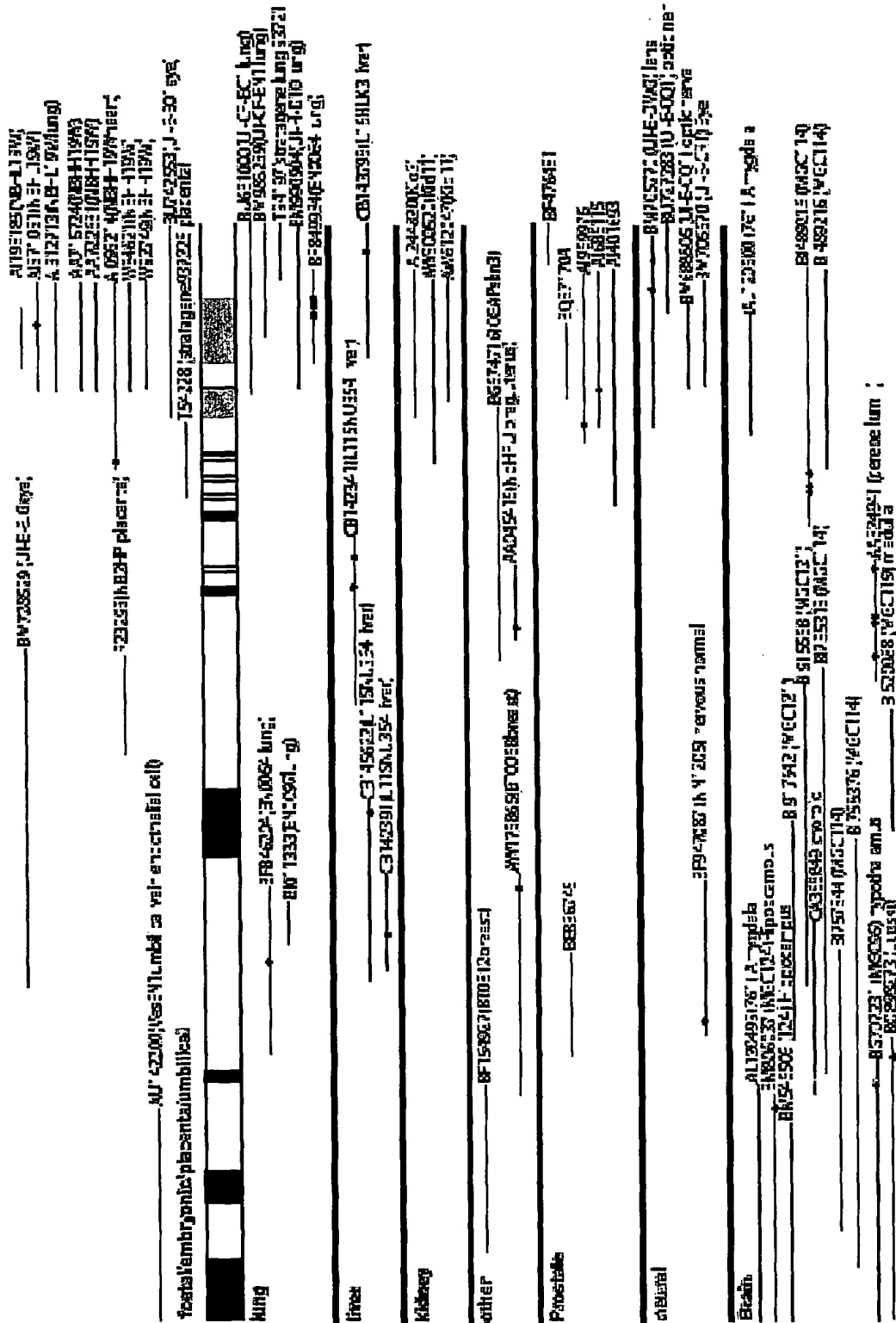
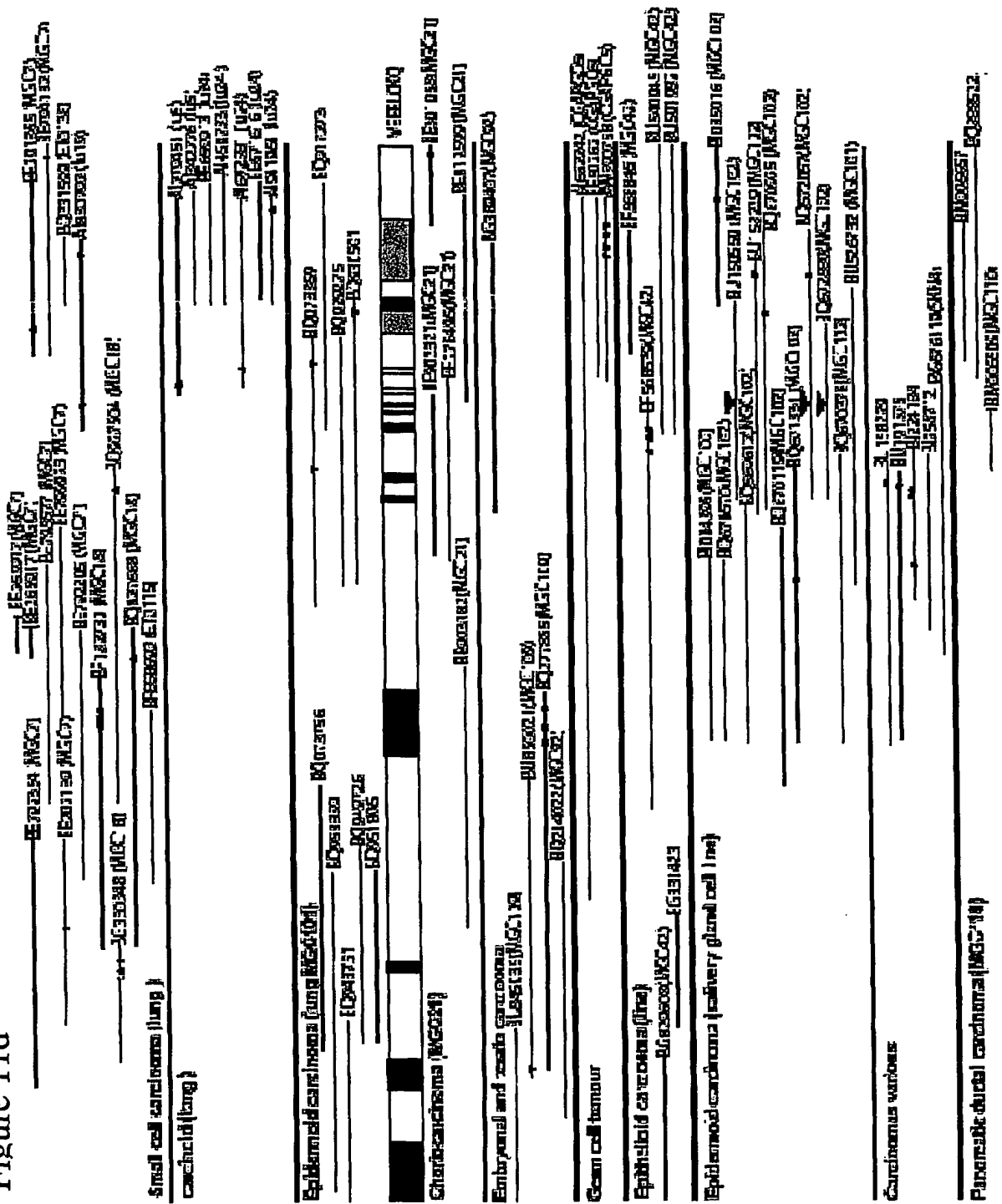


Figure 11b



Non-Cancer

Figure 11d



Melanoma

BC168673 EF580787 3QZ 463 BU' 68176 B480' 5346
BQ380756 3L' 95338 BE30X35 3C2756C4 BQ4E2' 850MGC72
BU' 8' 216 BU' 68579 3L' 95345 BU' 45466 BE3K4355 B180C348(M6C41)
BC768335 BE891885 BU' 9C932 3C281266
E576358E

Cervical carcinoma (MGC12)

3E543226 E 258657 3QZ4184 B 2587' 2
3254375 B 273625 3QZ5582
B25350C B 273189
E 255562

Prostate cancers

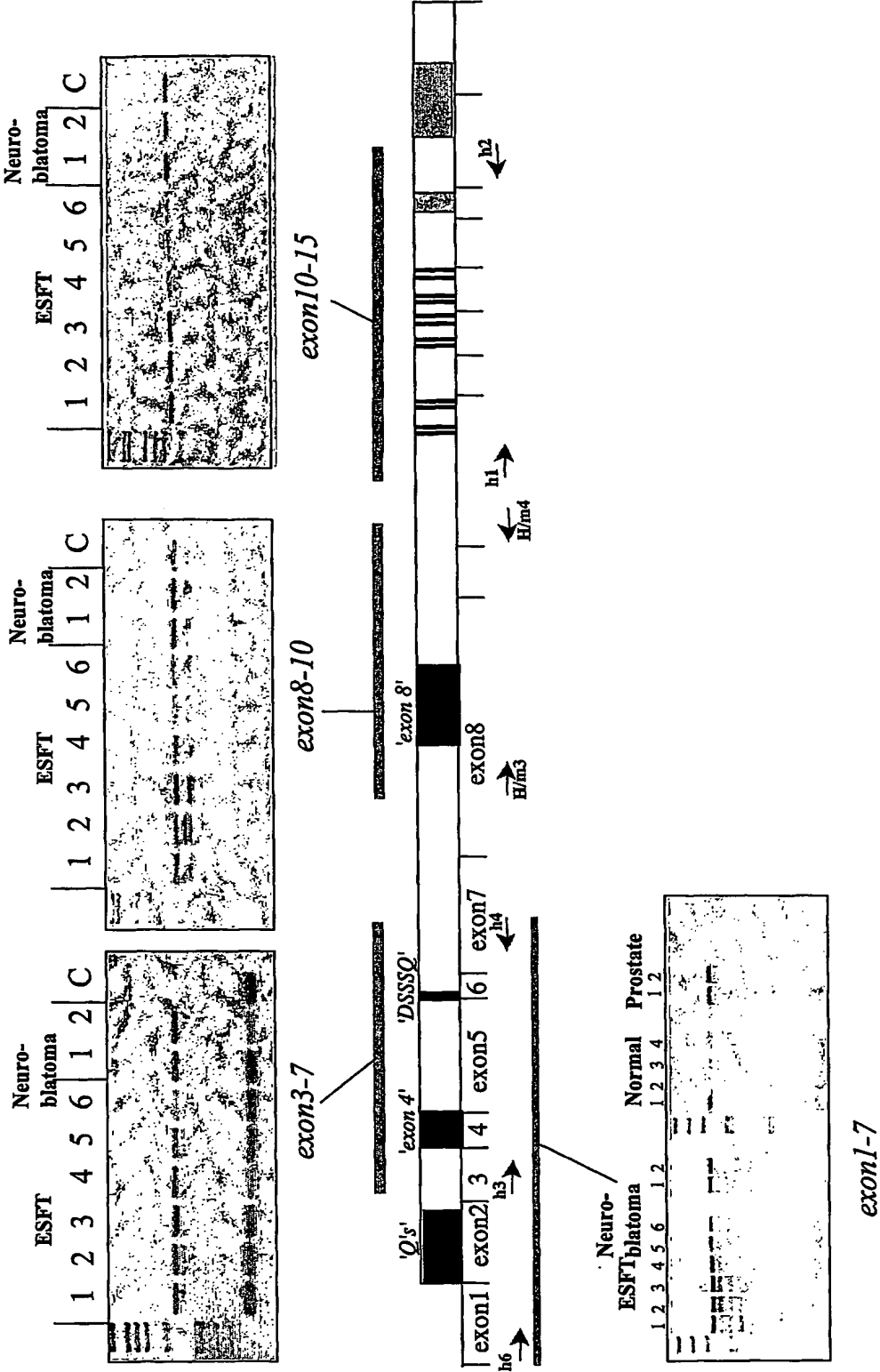
EM0M5 290(MGC401) 3E771612 BE528847 A4995055
3QZ76359(MGC111)

Adenocarcinomas (various)

BE' 1535 3G74663' BM473084 BE5' 5520 BE395246(MGC44) BU335 550(19554) 3E395489
EC418941 BE5' 2565 EG747' 75 3E822028 3L 538894(110554) RA988572 RA986136 BE616126 BE5' 5917
BJS38246(10554) 3G240C51 3L 538894(110554) BE52703

LQQQQQLLQLQQQLLQQQLLQLQLLQQSPQAPLPMAYSRGLPPQAPQQLNLQGTNSASLLNGSM
 QQLQL QQQQLQQQL QQQQLLQLQLLQQSP
 MFSQQQQQL QQQQLQLL QQQQLQQQL QQQQLQLQLLQQSPQAPLP
 'Qs' 'exon 4' 'DSSQ' 'exon 8 repeats' 'VEELCKQ'
 DSSQ
 PQVQPAHSQSPRQVQLQLQKQVQTATY
 PQVQPAHSQSPRQVQLQLQKQVQTATY
 QVQSQTPRI PSTDTQVQPK LKQAQTQTSPEHLVLAQK VQPLQQAEE PQKAVQ
 PQVQPAHSQSPRQ VQLQQAEEPLKQVQVQPAHSQSPRQVQLQKQVQTATY
 GLDQFAMPPATYTAGLTMPATL

Figure 12A



70/15-12028

Figure 12B

Summary of PCR products											
	1	2	3	4	5	6	N1	N2	293		
'DSSSQ'	0	0	0	0	2	0	1	2	0	Examples of PCR products Ewings 6	
'exon4'	1*	0	1*	3	0	3	1	0	0		
'FL'	4	1	5	2	2	3	8	3	4		
other	0	0	0	1	0	0	1	0	0		
ESFTs	Neuroblastomas										
DSSSQ 2/26	DSSSQ 3/16										
Exon4 8/26	Exon4 1/16										
	Neuroblastoma 2										
	HEK293										

Figure 13A

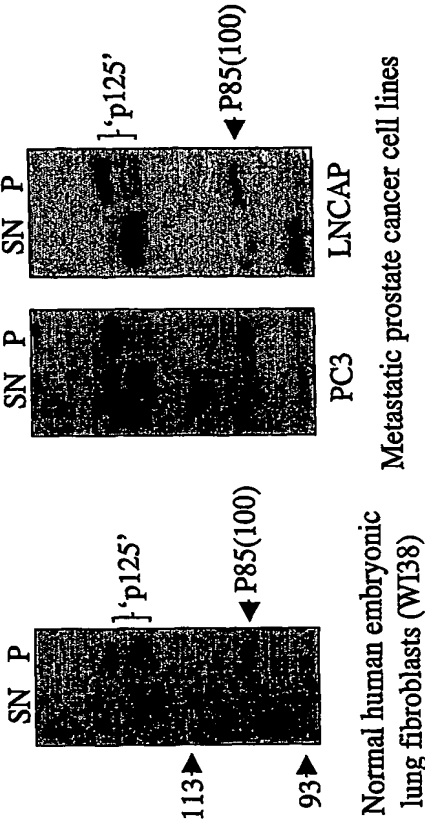
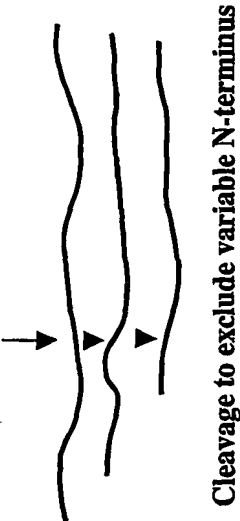
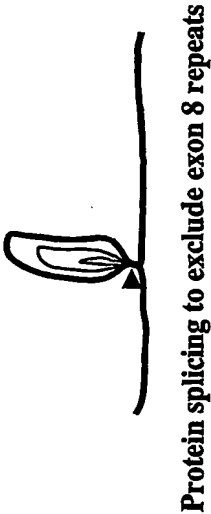


Figure 13B



CATGTTCAAC CCGCAACTCC AGCAGCAGCA ACAGTTGCAG CAGCAGCAGC
AACAGTTGCA GCAGCAGCTC CAGCAGCAGC AGCTCCAGCA GCAGCAACAG
CAGATACTGC AGCTCCAACA GCTGCTGCAA CAGTCCCCAC CACAGGCCTC
CTTGTCATT CCTGTCAGCC GGGGCCTCCC CCAGCAGTCA TCCCCGCAAC
AGCTTCTGAG TCTCCAGGGC CTCCACTCGA CCTCCCTGCT CAATGGCCCC
ATGCTGCAAA GAGCTTTGCT CCTACAGCAG TTGCAAGGAC TGGACCAATT
TGCAATGCCA CCAGCCACGT ATGACGGTGC CAGCCTCACC ATGCCTACGG
CAACACTGGG TAACCTCCGT GCTTTCAATG TGACAGCCCC AAGCCTAGCA
GCTCCAGCC TTACACCACC CCAGATGGTC ACCCCAAATC TGCAGCAGTT
CTTTCCCCAG GCTACTCGAC AGTCTCTGCT GGGGCCTCCT CCTGTTGGGG
TCCAATAAAA CCCTTCTCAG CTCAACCACT CAGGGAGGAA CACCCAGAAA
CAGGCCAGAA CCCCCTCTC CACCACCCCC AATCGCAAGG ATTCTTCTTC
TCAGACGGTG CCTCTGGAAG ACAGGGAAGA CCCACAGAG GGGTCTGAGG
AAGCCACGGA GCTCCAGATG GACACATGTG AAGACCAAGA TCACTAGTC
GGTCCAGATA GCATGCTGAG TGAGCCCCAA GTGCCTGAGC CTGAGCCCTT
TGAGACATTG GAACCACCAG CCAAGAGGTG CAGGAGTCA GAGGAGTCCA
CCGAGAAAGG CCCTACAGGG CAGCCACAAG CAAGGGTCCA GCCTCAGACC
CAGATGACAG CACCAAAGCA GACACAGACC CCGGATCGGC TGCCTGAGCC
ACCAGAAGTC CAAATGCTGC CGCGTATCCA GCCACAGGCA CTGCAGATCC
AGACCCAGCC AAAGCTGCTG AGGCAGGCAC AGACACAGAC CTCTCCAGAG
CACTTAGCGC CCCAGCAGGA TCAGGTAGAG CCACAGGTAC CATCACAGCC
CCCATGGCAG TTGCAGCCAC GGGAGACAGA CCCACCGAAC CAAGCTCAGG
CACAGACCCA GCCTCAGCCC CTCTGGCAGG CGCAGTCACA GAAGCAGGCC
CAGACACAGG CACATCCACA GGTACCCACC CAAGCACAGT CACAGGAGCA
GACATCAGAG AAGACCCAGG ACCAGCCTCA GACCTGGCCA CAGGGGTGAG
TACCCCCACC AGAACAAGCG TCAGGTCCAG CCTGTGCCAC GGAACCACAG
CTATCCTCTC ACGCTGCAGA AGCTGGGAGT GACCCAGACA AGGCCTTGCC
AGAACCAGTA AGTGCCAGAG GCAGTGAAGACAGGAGCCGG GAGGCGTCCG
CTGGTGGCCT GGATTTGGGA GAATGTGAAA AGAGAGCGGG AGAGATGCTG
GGGATGTGGG GGGCTGGGAG CTCCCTGAAG GTCACCATCC TGCAGAGTAG
CAACAGCCGG GCCTTTAACA CCACACCCCT CACATCTGGA CCTCGCCCTG
GGGACTCTAC CTCTGCCACC CCTGCCATTG CCAGCACACC CTCCAAGCAA
AGCCTCCAGT TCTTCTGCTA CATCTGCAAG GCCAGCAGCA GCAGCCAGCA
GGAGTTCCAG GATCACATGT CAGAGGCTCA GCACCAACAG CGGCTTGGGG
AAATACAACA CTCGAGCCAG ACCTGCCTGC TGTCCCTGCT GCCCATGCCT
CGGGACATCC TGGAGAAAGA AGCGGAAGAT CCTCCGCCCA AACGCTGGTG
CAACACCTGC CAGGTGTACT ACGTGGGAGA CTTGATCCAG CACCGTAGGA
CACAGGAGCA CAAGGTTGCC AAACAATCCC TGAGGCCCTT CTGCACCATA
TGCAACCGTT ACTTCAAGAC CCCTCGAAAAG TTTGTGGAGC ACGTGAAGTC
CCAGGGACAC AAGGACAAGG CCAAGAGCT GAAGACACTTGAAAAGGAGA
CAGGCAGCCC AGATGAGGAC CACTTCATCA CTGTGGACGC CGTCGGTTGC
TTTGAGAGTG GTCAAGAAGA GGACGAGGAT GACGACGAGGAAGAAGAAGA
AGAAGGAGAG ATTGAGGCTG AGGAGGAATT CTGCAAGCAG GTGAAGCCGA
GAGAAACATC CTCAGAGCAA GGGAAGGGCT CTGAGACGTA CAACCCCAAC
ACAGCCTATG GTGAGGATTT CTGGTGCCA GTGATGGGCT ATGTCTGTCA
AATCTGTCA AAGTTCTACG ACAGCAACTC AGAATTGCGG CTTTCTCACT
GCAAGTCCCT GGCCCACTTT GAGAACCTGC AGAAATACAA AGCCAAGAAC
CCAAGCCCTC CTCTACCCG GCCTGTGAGC CGCAAGTGTG CCATCAACGC
CCGCAACGCC CTGACTGCAC TGTTACCTC TAGCCACCAG CCCAGCCCCC
AGGACACAGT GAAAATGCCC AGCAAGGTGA AGCCTGGATC CCCCAGGACT
CCTCCTCCCC TTCGGCGCTC AACACGCCTC AAAACCTGAT AGAGGGAGCT
CTGGCCACTC AGCCTGACTA AGGCTCAGTC TGCTAATGCT TCCTAGGTAT
CTGTGTAGAA ATGTTCAAGT GGTTGGTGT TTTACTCAA ATCCAATAAA
GAGTCAGTAG TTTGGCAAAA AAAAAAAAAA AAAAAA

Figure 14

Figure 15

TGGGGGCTGC GGGGCCGGCC CATCCGTGGG GCGACTTGA GCGTTGAGGG
CGCGCGGGGA GCGAGCCAC CATGTTTCAGC CAGCAGCAGC AGCAGCTCCA
GCAACAGCAG CAGCAGCTCC AGCAGTTACA GCAGCAGCAG CTCCAGCAGC
AGCAATTGCA GCAGCAGCAG TTAAGTCAGC TCCAGCAGCT GCTCCAGCAG
TCCCCACCAC AGGCCCCGTT GCCCATGGCT GTCAGCCGGG GGCTCCCCC
GCAGCAGCCA CAGCAGCCGC TTCTGAATCT CCAGGGCACC AACTCAGCCT
CCCTCCTCAA CGGCTCCATG CTGCAGAGAG CTTTGCTTTT ACAGCAGTTG
CAAGGACTGG ACCAGTTTGC AATGCCACCA GCCACGTATG AACTGCCGG
TCTACCATG CCCACAGCAA CACTGGGTAA CCTCCGAGGC TATGGCATGG
CATCCCCAGG CCTGCAGCC CCCAGCCTCA CACCCCCACA ACTGGCCACT
CCAAATTGTC AACAGTTCTT TCCCCAGGCC ACTCGCCAGT CCTTGCTGGG
ACCTCCTCCT GTTGGGGTCC CCATGAACCC TCCCCAGTTC AACCTTTCAG
GACGGAACCC CCAGAAACAG GCCCGGACCT CCTCCTCTAC CACCCCCAAT
CGAAAGGATT CTCTTCTCA GACAATGCCT GTGGAAGACA AGTCAGACCC
CCCAGAGGGG TCTGAGGAAG CCGCAGAGCC CCGGATGGAC ACACCAGAA
ACCAAGATT ACCGCCCTGC CCAGAGGACA TCGCCAAAGGA AAAACGCACT
CCAGCACCTG AGCCTGAGCC TTGTGAGGCG TCCGAGCTGC CAGCAAAGAG
ATTGAGGAGC TCAGAAGAGC CCACAGAGAA GGAACCTCCA GGGCAGTTAC
AGGTGAAGGC CCAGCCGAG GCCCGGATGA CAGTACCGAA ACAGACACAG
ACACCAGACC TGCTGCCTGA GGCCCTGGAA GCCCAAGTGC TGCCACGATT
CCAGCCACGG GTCTGCAGG TCCAGGCCCA GGTGCAGTCA CAGACTCAGC
CGCGGATACC ATCCACAGAC ACCCAGGTGC AGCCAAAGCT GCAGAAGCAG
GCGCAAACAC AGACCTCTCC AGAGCACTTA GTGCTGCAAC AGAAGCAGGT
GCAGCCACAG CTGCAGCAGG AGGCAGAGCC ACAGAAGCAGGTGCAGCCAC
AGGTACAGCC ACAGGCACAT TCACAGGGCC CAAGGCAGGT GCAGCTGCAG
CAGGAGGCAG AGCCGCTGAA GCAGGTGCAG CCACAGGTGC AGCCCCAGGC
ACATTACAG CCCCCAAGGC AGGTGCAGCT GCAGCTGCAG AAGCAGGTCC
AGACACAGAC ATATCCACAG GTCCACACAC AGGCACAGCC AAGCGTCCAG
CCACAGGAGC ATCCTCCAGC GCAGGTGTCA GTACAGCCAC CAGAGCAGAC
CCATGAGCAG CCTCACACCC AGCCGCAAGT GTCGTTGCTG GCTCCAGAGC
AAACACCACTG TGTGTTTCAT GTCTGCGGGC TGGAGATGCC ACCTGATGCA
GTAGAAGCTG GTGGAGGCAT GGAAGAGACC TTGCCAGAGC CTGTGGGCAC
CCAAGTCAGC ATGGAAGAGA TTCAGAATGA GTCGGCCTGT GGCCTAGATG
TGGGAGAATG TGAAAACAGA GCGAGAGAGA TGCCAGGGGTATGGGGCGCC
GGGGGCTCCC TGAAGGTCAC CATTCTGCAG AGCAGTGACA GCCGGGCCTT
TAGCACTGA CCCCTGACAC CTGTCCCCCG CCCCAGTGAC TCCGTCTCT
CCACCCCTGC GGCTACCAGC ACTCCCTCTA AGCAGGCCCT CCAGTTCTTC
TGCTACATCT GCAAGGCCAG CTGTCCAGC CAGCAGGAGT TCCAGGACCA
CATGTGCGAG CCTCAGCACC AGCAGCGGCT AGGGGAGATC CAGCACATGA
GCCAAGCCTG CCTCCTGTCC CTGCTGCCCG TGCCCCGGA CGTCTGGAG
ACAGAGGATG AGGAGCCTCC ACCAAGGCGC TGGTGCAACA CCTGCCAGCT
CTACTACATG GGGGACCTGA TCCAACACCG CAGGACACAG GACCACAAGA
TTGCCAAACA ATCCTTGCGA CCCTTCTGCA CCGTTTGCA CCGCTACTTC
AAAACCCCTC GCAAGTTTGT GGAGCACGTG AAGTCCCAGG GGCATAAGGA
CAAAGCCAAAG GAGCTGAAGT CGCTTGAGAA AGAAATTGCT GGCCAAGATG
AGGACCACTT CATTACAGTG GACGCTGTGG GTTGCTTCCA GGGTGATGAA
GAAGAGGAAG AGGATGATGA GGATGAAGAAGAGATCGAGGTTGAGGAGGA
ACTCTGCAAG CAGGTGAGGT CCAGAGATAT ATCCAGAGAG GAGTGGAAGG
GCTCGGAGAC CTACAGCCCC AATACTGCAT ATGGTGTGGA CTTCCTGGTG
CCCGTGATGG GCTATATCTG CCGCATCTGC CACAAGTTCT ATCACAGCAA
CTCAGGGGCA CAGCTCTCCC ACTGCAAGTC CCTGGGCCAC TTTGAGAACC
TGCAGAAATA CAAGGCGGCC AAGAACCCCA GCCCACCAC CCGACCTGTG
AGCCGCGGT GCGCAATCAA CGCCCGAAC GCTTTGACAG CCCTGTTTAC
CTCCAGCGGC CGCCACCCT CCCAGCCCA CACCCAGGAC AAAACACCCA
GCAAGGTGAC GGCTCGACCC TCCAGCCCC CACTACCTCG GCGCTAACC
CGCTCAAAA CTGATAGAG GGACCTCCTT GTCCCTGGCC TGCTGGGTG
CAGATCTGCT AATGCTTTT AGGAGTCTGC CTGGAACCTT TGACATGGTT
CATGTTTTTA CTCAAAATCC AATAAAACAA GGTAGTTTGG CTGTGCAAAA
AAAAAAAAAA AAAAAAAAAA AA

Figure 16

MFNPQLQQQQ QLQQQQQLQ QQLQQQLQ QQQQLQLQQ LLQQSPQAS
LSIPVSRGLP QQSSPQQLS LQGLHSTSL NGPMLQRALL LQQLQGLDQF
AMPPATYDGA SLTMPTATLG NLRAFNVTAP SLAAPSLTPP QMVTNQLQF
FPQATRQSLG GPPPVGVPIN PSQLNHSGRN TQKQARTPSS TTPNRKDS
QTVPLEDRD PTEGSEATE LQMDTCEDQD SLVGFDSMLS EPQVPEPEPF
ETLEPPAKRC RSSEESTEG PTGQPQARVQ PQTQMTAPKQ TQTPDRLPEP
PEVQMLPRIQ PQALQIQTP KLLRQAQTQT SPEHLAPQD QVEPQVPSQP
PWQLQPRETD PPNQAQAQTQ PQLWQAQSQ KQAQTQAHQ VPTQAQSQEQ
TSEKTQDQPO TWPQGSVPPP EQASGPACAT EPQLSSHAAE AGSDPKALP
EPVSAQSSD RSREASAGGL DLGECEKRAE EMLGMWAGS SLKVITLQSS
NSRAFNITPL TSGPRPGDST SATPAIASTP SKQSLQFFCY ICKASSSSQQ
EFQDHMSEAO HQQRLGEIQH SSQTCLLSLL PMPRDILEKE AEDPPKRW
NTCQVYVYVGD LIQHRRRTQEH KVAQSLRPF CTICNR YFKT PRKFVEHVKS
QGHKDKAQEL KTLKETGSP DEDHFTVDA VGCESGQEE DEDDDEEE
EGEIEAEEEF CKQVKPRETS SEQKGSETY NPNTAYGEDF LVPVMGYVCQ
ICHKFYDSNS ELRLSHCKSL AHFENLQKYK AKNPSPPTPR PVSARKCAINA
RNALTALFTS SHQSPQDTP KMPSKVKPGS PGLPPPLRRS TRLKT

Figure 17

MF SQQQQLQQ QQLQQLQQ QLLQLQLLQQSPQ APLPM AVSRGLPPQQ PQQPLLNLQG TNSASLLNGS M
 LQRALLQLQ GL DQFAMP PATYDTAGLT MPTATLGNLR GYGMA SPGLA APSLTPQLATPN LQQFFPQ ATRQSLGPP PVGVPM
 NPSQ FNLSGRNPQK QARTSSSTPNRK DSSSQTM PVEDKSDPPE GSEEAAPRM DTPEDQDLPP CPEDIAKEKRTPA PEPEPCE ASEL
 PAKRLR SSEEPTKEP PGQLQVKAQP QARMTVPKQTQTP DLLPEAL EAQVLP RFQP RVLQVQAQVQ SQTQPRIPST DTQVQPKLQK
 QAQTTSPEH LVLQKQVQP QLQQAEPQK QVQPQVQQAHSQGPQ VQLQQAEPKQV QPQVQQAHS QPPRQVQLQL QKQV
 QTQTYP QVHT QAQSVQPEHPPAQV SVQPEQTHE QPHTQPQVSL LAPEQTPVVV HVC GLEMPDPAVEAGGMEK TLPEPVGTTQ
 V SMEEIQNESA CGLDVGECE N RAREMPGVWGAGGSLKVITL QSSDSRAFST VPLTPVPRPS DSVSSTPAAT STPSKQALQFFCYICKA
 SCS SQQEFQDHMS EPQHQQRLGE IQHMSQACLL SLLPVPRDVLETEDEEPPR RWCNTCQLYY MGDLIQHRT QDHKIAKQSL RPF
 CTVCNR YFKTPRKFEH VKSQGHKDKA KELKSLEKEI AGQDEDHFT VDAVGCFEGDEEEDEDE EEEVEEELC KQVRSRDISR E
 EWKGSETYS PNTAYGVDFL VPVMGYICRI CHKFYHSNSG AQLSHCKSLG HFENLQKYKA AKNPSTTRPVSRRCAINAR NALTALFIS
 S GRPPSQPNTQ DKTPSKVTAR PSQPPLPRRSTRLKT

Figure 18

From exons 2/3 (at least two versions)
 MFSQQQQQL QQQQQLQL QQQQLQQQL QQQQLQLQL QQQQLQLQL LLQQSPQA

QQLQL QQQQLQQQL QQQQLQLQL LLQQSP

Exon 4
 GLDQFAMPPATYDTAGLTMTATL

From exon 6
 DSSSQ

From exon 8 (at least three versions)
 PQVQPAHSQPPRQVQLQLKQVQTQTY
 PQVQPAHSQGPRQVQLQQEAEPKQVQVQVQPAHSQPPRQVQLQLKQVQTQTY

QVQSQTQPRIPSTDVQPKLQKQAQTQ
 TSPEHLVLQKQVQVQLQQEAEPKQVQ
 PQVQPAHSQGPRQVQLQQEAEPKQVQ
 PQVQPAHSQPPRQVQLQLKQVQTQ TY

From exon 14
 VEEELCKQ

The following sequence is inserted in one carcinoma derived library (MGC102) between the third and fourth zinc finger, altering the spacing between them.
 PPTPRDVFHVPVQGWSTARLVTDM

Figure 19

From exons 2/3 (at least two versions)

TGGGGGCTGC GGGGCCGGCC CATCCGTGGG GCGGACTTGA GCGTTGAGGGCGCGGGGA GCGAGGCCAC
CATGTTTCAGC CAGCAGCAGC AGCAGCTCCAGCAACAGCAG CAGCAGCTCC AGCAGTTACA GCAGCAGCAG
CTCCAGCAGCAGCAATTGCA GCAGCAGCAG TTA CTGCAGC TCCAGCAGCT GCTCCAGCAGTCCCCACCAC
AGGCC

CAGCAG CTCCAGCAGT TACAGCAGCA GCAGCTCCAG CAGCAGCAATTGCAGCAGCA GCAGTTACTG CAGC
TCCAGC AGCTGCTCCA GCAGTCCCCACCACA

Exon 4

GGACTGGAC CAGTTTGCAA TGCCACCAGC CACGTATGAC ACTGCCGGTCTCACCATGCC CACAGCAACA CTG

From exon 6

AGGATTCTTCTTCTC

From exon 8 (at least three versions)

CCACAGGTGC AGCCCCAGGC ACATTACAG CCCCCAAGGC AGGTGCAGCTGCAGCTGCAG AAGCAGGTCC
AGACACAGAC ATATCC

CCACAGGTAC AGCCACAGGC ACATTACAG GGCCCAAGGC AGGTGCAGCTGCAGCAGGAG GCAGAGCCGC
TGAAGCAGGT GCAGCCACAG GTGCAGCCCCAGGCACATT CACAGCCCCCA AGGCAGGTGC AGCTGCAGCT
GCAGAACGAGGTCCAGACAC AGACATAT

CAGGTGCAGT CACAGACTCA GCCCGGGATA CCATCCACAG ACACCCAGGTGCAGCCAAAG CTGCAGAAAG
AGGCGCAAC ACAGACCTCT CCAGAGCACTTAGTGTGCA ACAGAAAGCAG GTGCAGCCAC AGCTGCAGCA
GGAGCAGAGCCACAGAAAGC AGGTGCAGCC ACAGGTACAG CCACAGGCAC ATTACAGGGCCCAAGGCAG
GTGCAGCTGC AGCAGGAGGC AGAGCCGCTG AAGCAGGTGCAGCCACAGGT GCAGCCCCAG GCACATTAC
AGCCCCAAG GCAGGTGCAGCTGCAGCTGC AGAAGCAGGT CCAGACACAG ACATAT

From exon 14

GTTGAGGAGGA ACTCTGCAAGCAG

The following sequence is inserted in to Ciz1 transcripts in one carcinoma library (from Ciz1 intron 12)

GCCACCCACACGAAAGAGATGTGTTTGCCACGTTCCAGTGCAGGGGTGGAGCACAGCCCCGGCTTGTACAGATAT

Figure 20A

Part of exons 2/3 absent
 MF SQQQQLQQQ QQ APLPM AVSRGLPPQQ PQQPLNLQ TNSASLLNGS MLQRAILLQQLQ GL DQFAMP PATYDTAGLT MPTATLGNLR GYGMA SPGLA APSLTPQLATPN LQOFFPQ
 ATRQSLGLPP PVGVMNPSQ FNLGRNPQK QARTSSSTPNRK DSSQTM PVEDKSDPPE GSEEAAPRM DTPEDQLPP CPEDIAKEKRTA PEPEPCE ASELPAKRLR SSEEPTKEP PGQL
 QVKAQP QARMTVPKQTQTP DLLPEAL EAQVLPFRQP RVLQVQAQVQ SQTQPRIPST DTQVQPKLQKAQTQTSPEH LVLQKQVQVQ OLQQAEPQK QVQVQVQAHSGPRQ VQLQQA
 EPLKQV QPVQVQAHSGPRQ QVQVQVQAHSGPRQ QVHT QAQSVQVQAHSGPRQ SVQPEQTHE QHTQVQVSL LAPEQTPVVV HVC GLEMPDAVEAGGMEK TLPEPVGTQV SBE
 HIQNEA CGLDVGECEEN RAREMPGVWAGGSLKVTIL QSSDSRAFAST VPLTPVPRPS DSVSTPAAT STPSKQALQFFCYCKASC SQQEFQDHMS EPQHQRGLGE IQHMSQALL SLLPVRD
 VLETEDEEPPR RWCNTCQLYY MGDLIQHRT QDHIAKQSL RPFCVCNRYFKTRKFVEH VKSQGHKDKA KELKLEKEI AGQDEHFT VDAVGC FEGDEHEDEDE HEIEVEHEL K
 QVRSRDISR HEWKGSSETYS PNTAYGVDFLVPVMGYICRI CHKFYHNSG AQLSHCKSLG HFENLQKYKA AKNPSPTTRPVSRRCANAR NALTALFTSS GRPPSQPNTQ DKTPSKVTAR PSQPP
 LPRSTRLKT

Exon 4 absent
 MF SQQQQLQQQ QQLQQLQQQ QLLQQLQQSPQ APLPM AVSRGLPPQQ PQQPLNLQ TNSASLLNGS MLQRAILLQQLGNLR GYGMA SPGLA APSLTPQLA
 TPN LQOFFPQ ATRQSLGLPP PVGVMNPSQ FNLGRNPQK QARTSSSTPNRK DSSQTM PVEDKSDPPE GSEEAAPRM DTPEDQLPP CPEDIAKEKRTA PEPEPCE ASELPAKRLR SBE
 EPTKEP PGQLQVKAQP QARMTVPKQTQTP DLLPEAL EAQVLPFRQP RVLQVQAQVQ SQTQPRIPST DTQVQPKLQKAQTQTSPEH LVLQKQVQVQ OLQQAEPQK QVQVQVQAHSG
 GPRQ VQLQQAEPKQV QPVQVQAHSGPRQ QPVQVQAHSGPRQ QVHT QAQSVQVQAHSGPRQ SVQPEQTHE QHTQVQVSL LAPEQTPVVV HVC GLEMPDAVEAGGMEK T
 LPEPVGTQV SMEHIQNEA CGLDVGECEEN RAREMPGVWAGGSLKVTIL QSSDSRAFAST VPLTPVPRPS DSVSTPAAT STPSKQALQFFCYCKASC SQQEFQDHMS EPQHQRGLGE IQH
 SQALL SLLPVRD VLETEDEEPPR RWCNTCQLYY MGDLIQHRT QDHIAKQSL RPFCVCNRYFKTRKFVEH VKSQGHKDKA KELKLEKEI AGQDEHFT VDAVGC FEGDEHEDEDE
 DEDE HEIEVEHEL KQVRSRDISR HEWKGSSETYS PNTAYGVDFLVPVMGYICRI CHKFYHNSG AQLSHCKSLG HFENLQKYKA AKNPSPTTRPVSRRCANAR NALTALFTSS GRPPSQPNTQ
 DKTPSKVTAR PSQPP LPRSTRLKT

Part of exon 6 absent
 MF SQQQQLQQQ QQLQQLQQQ QLLQQLQQSPQ APLPM AVSRGLPPQQ PQQPLNLQ TNSASLLNGS MLQRAILLQQL GL DQFAMP PATYDTAGLT MPTAT
 LGNLR GYGMA SPGLA APSLTPQLATPN LQOFFPQ ATRQSLGLPP PVGVMNPSQ FNLGRNPQK QARTSSSTPNRK DSSQTM PVEDKSDPPE GSEEAAPRM DTPEDQLPP CPEDIAKEKRTA
 PEPEPCE ASELPAKRLR SSEEPTKEP PGQLQVKAQP QARMTVPKQTQTP DLLPEAL EAQVLPFRQP RVLQVQAQVQ SQTQPRIPST DTQVQPKLQKAQTQTSPEH LVLQKQVQVQ OLQ
 EAEPQK QVQVQVQAHSGPRQ VQLQQAEPKQV QPVQVQAHSGPRQ QVHT QAQSVQVQAHSGPRQ SVQPEQTHE QHTQVQVSL LAPEQTPVVV HVC
 GLEMPDAVEAGGMEK TLPEPVGTQV SMEHIQNEA CGLDVGECEEN RAREMPGVWAGGSLKVTIL QSSDSRAFAST VPLTPVPRPS DSVSTPAAT STPSKQALQFFCYCKASC SQQEF
 QDHMS EPQHQRGLGE IQHMSQALL SLLPVRD VLETEDEEPPR RWCNTCQLYY MGDLIQHRT QDHIAKQSL RPFCVCNRYFKTRKFVEH VKSQGHKDKA KELKLEKEI AGQDE
 DHTIT VDAVGC FEGDEHEDEDE HEIEVEHEL KQVRSRDISR HEWKGSSETYS PNTAYGVDFLVPVMGYICRI CHKFYHNSG AQLSHCKSLG HFENLQKYKA AKNPSPTTRPVSRRCANAR
 AR NALTALFTSS GRPPSQPNTQ DKTPSKVTAR PSQPP LPRSTRLKT

Exon 8 minus variant 1
 MF SQQQQLQQQ QQLQQLQQQ QLLQQLQQSPQ APLPM AVSRGLPPQQ PQQPLNLQ TNSASLLNGS MLQRAILLQQL GL DQFAMP PATYDTAGLT MPT
 ATLGNLR GYGMA SPGLA APSLTPQLATPN LQOFFPQ ATRQSLGLPP PVGVMNPSQ FNLGRNPQK QARTSSSTPNRK DSSQTM PVEDKSDPPE GSEEAAPRM DTPEDQLPP CPE
 DIAKEKRTA PEPEPCE ASELPAKRLR SSEEPTKEP PGQLQVKAQP QARMTVPKQTQTP DLLPEAL EAQVLPFRQP RVLQVQAQVQ SQTQPRIPST DTQVQPKLQKAQTQTSPEH LVL
 QKQVQVQ OLQQAEPQK QVQVQVQAHSGPRQ VQLQQAEPKQV QPVQVQAHSGPRQ QVHT QAQSVQVQAHSGPRQ SVQPEQTHE QHTQVQVSL LAPEQTPVVV HVC GLEMPDAVEAGG
 MEK TLPEPVGTQV SMEHIQNEA CGLDVGECEEN RAREMPGVWAGGSLKVTIL QSSDSRAFAST VPLTPVPRPS DSVSTPAAT STPSKQALQFFCYCKASC SQQEFQDHMS EPQHQR
 LGI IQHMSQALL SLLPVRD VLETEDEEPPR RWCNTCQLYY MGDLIQHRT QDHIAKQSL RPFCVCNRYFKTRKFVEH VKSQGHKDKA KELKLEKEI AGQDEHFT VDAVGC
 FEGDEHEDEDE HEIEVEHEL KQVRSRDISR HEWKGSSETYS PNTAYGVDFLVPVMGYICRI CHKFYHNSG AQLSHCKSLG HFENLQKYKA AKNPSPTTRPVSRRCANAR NALTAL
 FTSS GRPPSQPNTQ DKTPSKVTAR PSQPP LPRSTRLKT

Figure 20B

Exon 8 minus variant 2
 MF SQQQQQLQQQ QQQQLQQQ QLLQLQQLLQQSPQ APPLM AVSRGLPPQQ PQQPLNLQG TNSASLLNGS MLQRAILLQQQL GL DQFAMP PATYDTAGLT
 MPTATLGNLR GYGMA SPGLA AFSLTPQLATPN LQOFFPQ ATRQSLGPP PVGVMNPSQ FNLSGRNPQK QARTSSSTPNRK DSSSQTM PVEDKSDPPE GSEEA AEP RM DTPED
 QDLPP CPEDIAKEKRTPA PEPEPCE ASELPAKRLR SSEEPTKEP PGQLQVKAQP QARMTVPKQTQTP DLLPEAL EAQVLPFRQP RVLQVQAQVQ SQTPRPFST DTQVQPKLQK
 QAQTQTSPEH LVLQKQVQP QLQQAEPQK QVQ P QVHT QAQSVQPEHPPAQ SVQPEQTHE QPHTPQVSL LAPEQTPVVV HVC GLEMPDVAEAGGMEK TLPEVGTQ
 V SMEIQNES A CGLDVGCEN RAREMPGVWAGGSLKVTIL QSSDSRAFT VPLTPVRP
 ACCL SLLPVRDVLTEDEEPPR RWCNTCQLYY MGDLIQHRRT QDHKIAKQSL RPFCTVCNRYFKTPRKFEH VKSQGHKDKA KELKSLEKEI AGQDEHFT VDAVGC FEGDEE
 HEHDEDEH HEIBVEHEL C KQVRSRDISR EEWKGS ETS PNTAYGVDFLVPVMGYICRI CHKFYHSNSG AQLSHCKSLG HFENLQKYA AKNPSPTTRPVSRRCAINAR NALTALFTSS
 GRPPSQPNTQ DKTPSKVTAR PSQPPLPRSTRLKT

Exon 8 minus variant 3
 MF SQQQQQLQQQ QQQQLQQQ QLLQLQQLLQQSPQ APPLM AVSRGLPPQQ PQQPLNLQG TNSASLLNGS MLQRAILLQQQL GL DQFAMP PATYDTAGLT
 MPTATLGNLR GYGMA SPGLA AFSLTPQLATPN LQOFFPQ ATRQSLGPP PVGVMNPSQ FNLSGRNPQK QARTSSSTPNRK DSSSQTM PVEDKSDPPE GSEEA AEP RM DTPED
 QDLPP CPEDIAKEKRTPA PEPEPCE ASELPAKRLR SSEEPTKEP PGQLQVKAQP QARMTVPKQTQTP DLLPEAL EAQVLPFRQP RVLQVQA P QVHT QAQSVQPEHPPAQ SV
 PPEQTHE QPHTPQVSL LAPEQTPVVV HVC GLEMPDVAEAGGMEK TLPEVGTQV SMEIQNES A CGLDVGCEN RAREMPGVWAGGSLKVTIL QSSDSRAFT VPLTPVRP
 RPS DSVSSTPAAT STPSKQALQFFCYCKASC SQQEFQDHMS EPQHQRRLGE IQHMSQACLL SLLPVRDVLTEDEEPPR RWCNTCQLYY MGDLIQHRRT QDHKIAKQSL RPFCTVCNRYFKTPRKFEH VKSQGHKDKA KELKSLEKEI AGQDEHFT VDAVGC FEGDEE
 HEHDEDEH HEIBVEHEL C KQVRSRDISR EEWKGS ETS PNTAYGVDFLVPVMGYICRI CHKFYHSNSG AQLSHCKSLG HFENLQKYA AKNPSPTTRPVSRRCAINAR NALTALFTSS GRPPSQPNTQ DKTPSKVTAR PSQPPLPRSTRLKT

Exon 14 minus variant
 MF SQQQQQLQQQ QQQQLQQQ QLLQLQQLLQQSPQ APPLM AVSRGLPPQQ PQQPLNLQG TNSASLLNGS MLQRAILLQQQL GL DQFAMP PATYDTAGLT
 MPTATLGNLR GYGMA SPGLA AFSLTPQLATPN LQOFFPQ ATRQSLGPP PVGVMNPSQ FNLSGRNPQK QARTSSSTPNRK DSSSQTM PVEDKSDPPE GSEEA AEP RM DTPED
 DLPP CPEDIAKEKRTPA PEPEPCE ASELPAKRLR SSEEPTKEP PGQLQVKAQP QARMTVPKQTQTP DLLPEAL EAQVLPFRQP RVLQVQAQVQ SQTPRPFST DTQVQPKLQK
 QAQTQTSPEH LVLQKQVQP QLQQAEPQK QVQVQVQAHSGGPRQ VOLQQAEPKQV QPQVQQAHS QPRQVQLQL QKQVQTQTP QVHT QAQSVQPEHPPAQ SVQ
 PPEQTHE QPHTPQVSL LAPEQTPVVV HVC GLEMPDVAEAGGMEK TLPEVGTQV SMEIQNES A CGLDVGCEN RAREMPGVWAGGSLKVTIL QSSDSRAFT VPLTPVRP
 S DSVSSTPAAT STPSKQALQFFCYCKASC SQQEFQDHMS EPQHQRRLGE IQHMSQACLL SLLPVRDVLTEDEEPPR RWCNTCQLYY MGDLIQHRRT QDHKIAKQSL RPFCTVCNRYFKTPRKFEH VKSQGHKDKA KELKSLEKEI AGQDEHFT VDAVGC FEGDEE
 HEHDEDEH HEIBVEHEL C KQVRSRDISR EEWKGS ETS PNTAYGVDFLVPVMGYICRI CHKFYHSNSG AQLSHCKSLG HFENLQKYA AKNPSPTTRPVSRRCAINAR NALTALFTSS GRPPSQPNTQ DKTPSKVTAR PSQPPLPRSTRLKT

Also to be protected are transcripts which lack combinations of the variable exons. For example:-

Exon 4 and partial exon 6 minus variant
 MF SQQQQQLQQQ QQQQLQQQ QLLQLQQLLQQSPQ APPLM AVSRGLPPQQ PQQPLNLQG TNSASLLNGS MLQRAILLQQQLGNLR GYGMA SPGLA APS
 LTPQLATPN LQOFFPQ ATRQSLGPP PVGVMNPSQ FNLSGRNPQK QARTSSSTPNRK DSSSQTM PVEDKSDPPE GSEEA AEP RM DTPEDQDLPP CPEDIAKEKRTPA PEPEPCE
 ASELPAKRLR SSEEPTKEP PGQLQVKAQP QARMTVPKQTQTP DLLPEAL EAQVLPFRQP RVLQVQAQVQ SQTPRPFST DTQVQPKLQKQAQTQTSPEH LVLQKQVQP QLQK
 HAEPQK QVQVQVQAHSGGPRQ VOLQQAEPKQV QPQVQQAHS QPRQVQLQL QKQVQTQTP QVHT QAQSVQPEHPPAQ SVQPEQTHE QPHTPQVSL LAPEQT
 PVVV HVC GLEMPDVAEAGGMEK TLPEVGTQV SMEIQNES A CGLDVGCEN RAREMPGVWAGGSLKVTIL QSSDSRAFT VPLTPVRP RPS DSVSSTPAAT STPSKQALQF
 FCYCKASC SQQEFQDHMS EPQHQRRLGE IQHMSQACLL SLLPVRDVLTEDEEPPR RWCNTCQLYY MGDLIQHRRT QDHKIAKQSL RPFCTVCNRYFKTPRKFEH VKSQGHKDKA KELKSLEKEI AGQDEHFT VDAVGC FEGDEE
 HEHDEDEH HEIBVEHEL C KQVRSRDISR EEWKGS ETS PNTAYGVDFLVPVMGYICRI CHKFYHSNSG AQLSHCKSLG HFENLQKYA AKNPSPTTRPVSRRCAINAR NALTALFTSS GRPPSQPNTQ DKTPSKVTAR PSQPPLPRSTRLKT

Part of exons 2/3 absent

TGGGGGGCTGC GGGGCCGGCC CATCCGTGGG GGCAGCTTGA GCGTTGAGGG
CGCGCGGGGA GGCAGGCCAC CATGTTGAGC CAGCAGCAGC AGCAGCTCCA
GCAACAGCAG GGGCCCGTT GCCCATGGCT GTCAGCCGGG GGCTCCCCC
GCAGCAGCCA CAGCAGCCGC TTCTGAATCT CCAGGGCACC AACTCAGCCT
CCCTCCTCAA CGGCTCCATG CTGCAGAGAG CTTTGCTTTT ACAGCAGTTG
CAAGGACTGG ACCAGTTTGC AATGCCACCA GCCACGTATG AACTGCCCCG
TCTCACCATG CCCACAGCAA CACTGGGTAA CCTCCGAGGC TATGGCATGG
CATCCCCAGG CCTCGCAGCC CCCAGCCTCA CACCCCCACA ACTGGCCACT
CCAAATTGTC AACAGTTCTT TCCCCAGGCC ACTCGCCAGT CCTTGCTGGG
ACCTCCTCCT GTTGGGGTCC CCATGAACCC TTCCAGTTC AACCTTTCA
GACGGAACCC CCAGAAACAG GCCCGGACCT CCTCCTCTAC CACCCCCAAT
CGAAAGGATT CTTCTTCTCA GACAATGCCT GTGGAAGACA AGTCAGACCC
CCCAGAGGGG TCTGAGGAAG CCGCAGAGCC CCGGATGGAC ACACCAAGAG
ACCAAGATTT ACCGCCCTGC CCAGAGGACA TCGCCAAGGA AAAACGCACT
CCAGCACCTG AGCCTGAGCC TTGTGAGGCG TCCGAGCTGC CAGCAAAGAG
ATTGAGGAGC TCAGAAAGAGC CCACAGAGAA GGAACCTCCA GGGCAGTTAC
AGGTGAAGGC CCAGCCGAG GCCCGGATGA CAGTACCGAA ACAGACACAG
ACACCAGACC TGCTGCCTGA GGCCCTGGAA GCCCAAGTGC TGCCACGATT
CCAGCCACGG GTCTGCAGG TCCAGGCCCA GGTGCAGTCA CAGACTCAGC
CGCGGATACC ATCCACAGAC ACCCAGGTGC AGCCAAAGCT GCAGAAGCAG
GCGCAAACAC AGACCTCTCC AGAGCACTTA GTGCTGCAAC AGAAGCAGGT
GCAGCCACAG CTGCAGCAGG AGGCAGAGCC ACAGAAGCAG GTGCAGCCAC
AGGTACAGCC ACAGGCACAT TCACAGGGCC CAAGGCAGGT GCAGCTGCAG
CAGGAGGCAG AGCCGCTGAA GCAGGTGCAG CCACAGGTGC AGCCCCAGGC
ACATTCACAG CCCCCAAGGC AGGTGCAGCT GCAGCTGCAG AAGCAGGTCC
AGACACAGAC ATATCCACAG GTCCACACAC AGGCACAGCC AAGCGTCCAG
CTACAGGAGC ATCTCTCAGC GCAGGTGTCA GTACAGCCAC CAGAGCAGAC
CCATGAGCAG CTCACACCC AGCCGCAGGT GTCGTTGCTG GCTCCAGAGC
AAACACCACT GTGTGTTTCAT GTCTGCGGGC TGGAGATGCC ACCTGATGCA
GTAGAAGCTG GTGGAGGCAT GGAAGAGACC TTGCCAGAGC CTGTGGGCAC
CCAAGTCAGC ATGGAAGAGA TTCAGAATGA GTCGGCCTGT GGCCTAGATG
TGGGAGAATG TGAAAACAGA GCGAGAGAGA TGCCAGGGGT ATGGGGCGCC
GGGGGCTCCC TGAAGGTCAC CATTCTGCAG AGCAGTGACA GCCGGGCCTT
TAGCACTGTA CCCCTGACAC CTGTCCCCCG CCCCAGTGAC TCCGTCTCCT
CCACCCCTGC GGCTACCAGC ACTCCCTCTA AGCAGGGCCT CCAGTTCTTC
TGCTACATCT GCAAGGCCAG CTGCTCCAGC CAGCAGGAGT TCCAGGACCA
CATGTCCGAG CTCACGACC AGCAGCGGCT AGGGGAGATC CAGCACATGA
GCCAAGCCTG CCTCCTGTCC CTGCTGCCC TGCCCCGGGA CGTCTGGAG
ACAGAGGATG AGGAGCCTCC ACCAAGGCGC TGGTGCAACA CCTGCCAGCT
CTACTACATG GGGGACCTGA TCCAACACCG CAGGACACAG GACCACAAGA
TTGCCAAACA ATCCTTGCGA CCCTTCTGCA CCGTTTGCAA CGCTACTTC
AAAACCCCTC GCAAGTTTGT GGAGCACGTG AAGTCCCAGG GGCATAAGGA
CAAAGCCAAG GAGCTGAAAT CGCTTGAGAA AGAAATTGCT GGCCAAGATG
AGGACCACTT CATTACAGTG GACGCTGTGG GTTGCTTCGA GGGTGATGAA
GAAGAGGAAG AGGATGATGA GGATGAAGAA GAGATCGAGG TTGAGGAGGA
ACTCTGCAAG CAGGTGAGGT CCAGAGATAT ATCCAGAGAG GAGTGGAAGG
GCTCGGAGAC CTACAGCCCC AATACTGCAT ATGGTGTGGA CTTCCTGGTG
CCCGTGATGG GCTATATCTG CCGCATCTGC CACAAGTTCT ATCACAGCAA
CTCAGGGGCA CAGCTCTCCC ACTGCAAGTC CCTGGGCCAC TTTGAGAACC
TGCAGAAATA CAAGGCGGCC AAGAACCCCA GCCCACCAC CCGACCTGTG
AGCCGCCGGT GCGCAATCAA CGCCCGGAAC GCTTTGACAG CCCTGTTTAC
CTCAGCGGC CGCCACCCT CCCAGCCAA CACCCAGGAC AAAACACCCA
GCAAGGTGAC GGCTCGACCC TCCAGCCCC CACTACCTCG GCGCTCAACC
CGCCTCAAAA CCTGATAGAG GGACCTCCCT GTCCCTGGCC TGCCTGGGTC
CAGATCTGCT AATGCTTTT AGGAGTCTGC CTGGAACTT TGACATGGTT
CATGTTTTTA CTCAAAATCC AATAAAACAA GGTAGTTTGG CTGTGCAAAA
AAAAAAAAAA AAAAAAAAAA AA

Figure 21B

Exon 4 absent

TGGGGGCTGC GGGGCCGGCC CATCCGTGGG GCGACTTGA GCGTTGAGGG
CGCGCGGGGA GGGAGGCCAC CATGTTTCAGC CAGCAGCAGC AGCAGCTCCA
GCAACAGCAG CAGCAGCTCC AGCAGTTACA GCAGCAGCAG CTCCAGCAGC
AGCAATTGCA GCAGCAGCAG TTAAGTGCAG TCCAGCAGCT GCTCCAGCAG
TCCCCACCAC AGGCCCCGTT GCCCATGGCT GTCAGCCGGG GGCTCCCCC
GCAGCAGCCA CAGCAGCCGC TTCTGAATCT CCAGGGCACC AACTCAGCCT
CCCTCCTCAA CGGCTCCATG CTGCAGAGAG CTTTGCTTTT ACAGCAGTTG
CAAGGTAACC TCCGAGGCTA TGGCATGGCA TCCCCAGGCC TCGCAGCCCC
CAGCCTCACA CCCCCACAAC TGGCCACTCC AAATTGCAA CAGTTCTTTC
CCCAGGCCAC TCGCCAGTCC TTGCTGGGAC CTCCTCCTGT TGGGGTCCCC
ATGAACCTTT CCCAGTTCAA CCTTTCAGGA CGGAACCCCC AGAAACAGGC
CCGACCTCC TCCTCTACCA CCCCCAATCG AAAGGATTCT TCTTCTCAGA
CAATGCCTGT GGAAGACAAG TCAGACCCCC CAGAGGGGTC TGAGGAAGCC
GCAGAGCCCC GGATGGACAC ACCAGAAGAC CAAGATTTAC CGCCTTGCCC
AGAGGACATC GCCAAGGAAA AACGCACTCC AGCACCTGAG CTTGAGCCTT
GTGAGGCGTC CGAGCTGCCA GCAAAGAGAT TGAGGAGCTC AGAAGAGCCC
ACAGAGAAGG AACCTCCAGG GCAGTTACAG GTGAAGGCCC AGCCGCAGGC
CCGGATGACA GTACCGAAAC AGACACAGAC ACCAGACCTG CTGCCTGAGG
CCCTGGAAGC CCAAGTGCTG CCACGATTCC AGCCACGGGT CCTGCAGGTC
CAGGCCCAGG TGCAGTCACA GACTCAGCCG CGGATACCAT CCACAGACAC
CCAGGTGCAG CCAAAGCTGC AGAAGCAGGC GCAAACACAG ACCTCTCCAG
AGCACTTAGT GCTGCAACAG AAGCAGGTGC AGCCACAGCT GCAGCAGGAG
GCAGAGCCAC AGAAGCAGGT GCAGCCACAG GTACAGCCAC AGGCACATT
ACAGGGCCCA AGGCAGGTGC AGCTGCAGCA GGAGGCAGAG CCGTGAAGC
AGGTGCAGCC ACAGGTGCAG CCCCAGGCAC ATTACAGGCC CCAAGGCCAG
GTGCAGCTGC AGCTGCAGAA GCAGGTCCAG ACACAGACAT ATCCACAGGT
CCACACACAG GCACAGCCAA GCGTCCAGCC ACAGGAGCAT CCTCCAGCGC
AGGTGTCACT ACAGCCACCA GAGCAGACCC ATGAGCAGCC TCACACCCAG
CCGACAGTGT CATTGCTGGC TCCAGAGCAA ACACCAAGTT TGCTTCACT
CTGCGGGCTG GAGATGCCAC CTGATGCAGT AGAAGCTGGT GGAGGCATGG
AAAAGACCTT GCCAGAGCCT GTGGGCACCC AAGTCAGCAT GGAAGAGATT
CAGAATGAGT CGGCCTGTGG CTTAGATGTG GGAGAATGTG AAAACAGAGC
GAGAGAGATG CCAGGGGTAT GGGGCGCCGG GGGCTCCCTG AAGGTCACCA
TTCTGCAGAG CAGTGACAGC CGGGCCTTTA GCACTGTACC CCTGACACCT
GTCCCCCGCC CCAAGTACTC CGTCTCCTCC ACCCTGCGG CTACCAGCAG
TCCCTCTAAG CAGGCCCTCC AGTTCTTCTG CTACATCTGC AAGGCCAGCT
GCTCCAGCCA GCAGGAGTTC CAGGACCACA TGTCGGAGCC TCAGCACCAG
CAGCGGCTAG GGGAGATCCA GCACATGAGC CAAGCCTGCC TCCTGTCCCT
GCTGCCCCTG CCCCAGGACG TCCTGGAGAC AGAGGATGAG GAGCCTCCAC
CAAGGCGCTG GTGCAACACC TGCCAGCTCT ACTACATGGG GGACCTGATC
CAACACCGCA GGACACAGGA CCACAAGATT GCCAAACAAT CTTGCGACCC
CTTCTGCACC GTTGTCAACC GCTACTTCAA AACCCCTCGC AAGTTTGTGG
AGCACGTGAA GTCCCAGGGG CATAAGGACA AAGCCAAGGA GCTGAAGTGC
CTTGAGAAAG AAATTGCTGG CCAAGATGAG GACCACTTCA TTACAGTGGG
CGCTGTGGGT TGCTTCGAGG GTGATGAAGA AGAGGAAGAG GATGATGAGG
ATGAAGAAGA GATCGAGGT GAGGAGGAAC TCTGCAAGCA GGTGAGGTCC
AGAGATATAT CCAGAGAGGA GTGGAAGGGC TCGGAGACCT ACAGCCCCAA
TACTGCATAT GGTGTGGAAT TCCTGGTGCC CGTGATGGGC TATATCTGCC
GCATCTGCCA CAAGTTCTAT CACAGCACT CAGGGGCACA GCTCTCCAC
TGCAAGTCCC TGGGCCACTT TGAGAACCTG CAGAAATACA AGGCGGCCAA
GAACCCAGC CCCACACCC GACCTGTGAG CCGCCGGTGC GCAATCAACG
CCCGGAACGC TTTGACAGCC CTGTTACCT CCAGCGGCCG CCCACCTCC
CAGCCCAACA CCCAGGACAA AACACCCAGC AAGGTGACGG CTCGACCCTC
CCAGCCCCCA CTACCTCGGC GCTCAACCCG CCTCAAAACC TGATAGAGGG
ACCTCCCTGT CCTGGCCTG CTTGGGTCCA GATCTGCTAA TGCTTTTATG
GAGTCTGCCT GGAACCTTG ACATGGTTCA TGTTTTTACT CAAAATCCAA
TAAACAAGG TAGTTTGCT GTGCAAAAAA AAAAAAAAAA AAAAAAAAAA

Exon 6 minus transcript

TGGGGGCTGC GGGGCCGGCC CATCCGTGGG GCGACTTGA GCGTTGAGGG
CGCGCGGGGA GGCAGGCCAC CATGTTTCAGC CAGCAGCAGC AGCAGTCCA
GCAACAGCAG CAGCAGCTCC AGCAGTTACA GCAGCAGCAG CTCCAGCAGC
AGCAATTGCA GCAGCAGCAG TTAAGTCAGC TCCAGCAGCT GCTCCAGCAG
TCCCCACCAC AGGCCCCGTT GCCCATGGCT GTCAGCCGGG GGCTCCCCC
GCAGCAGCCA CAGCAGCCGC TTCTGAATCT CCAGGGCACC AACTCAGCCT
CCCTCCTCAA CGGCTCCATG CTGCAGAGAG CTTTGCTTTT ACAGCAGTTG
CAAGGACTGG ACCAGTTTGC AATGCCACCA GCCACGTATG AACTGCCCG
TCTCACCATG CCCACAGCAA CACTGGGTAA CCTCCGAGGC TATGGCATGG
CATCCCCAGG CCTGCGAGCC CCCAGCCTCA CACCCCCACA ACTGGCCACT
CCAAATTTGC AACAGTTCTT TCCCCAGGCC ACTGCGCAGT CCTTGCTGGG
ACCTCCTCCT GTTGGGGTCC CCATGAACCC TCCCCAGTTC AACCTTTTCA
GACGGAACCC CCAGAAACAG GCCCGGACCT CCTCCTCTAC CACCCCCAAT
CGAAAGACAA TGCCTGTGGA AGACAAGTCA GACCCCCCAG AGGGGTCTGA
GGAAGCCGCA GAGCCCCGGA TGGACACACC AGAAGACCAA GATTACCCG
CCTGCCCAGA GGACATCGCC AAGGAAAAAC GCACTCCAGC ACCTGAGCCT
GAGCCTTGTG AGGCGTCCGA GCTGCCAGCA AAGAGATTGA GGAGTCTAGA
AGAGCCCAACA GAGAAGGAAC CTCCAGGGCA GTTACAGGTG AAGGCCCAGC
CGCAGGCCCG GATGACAGTA CCGAAACAGA CACAGACACC AGACCTGCTG
CCTGAGGCCC TGGAAAGCCCA AGTGCTGCCA CGATTCCAGC CACGGGTCT
GCAGGTCCAG GCCCAGGTGC AGTCACAGAC TCAGCCGCGG ATACATCCA
CAGACACCCA GGTGCAGCCA AAGCTGCAGA AGCAGGCGCA AACACAGACC
TCTCCAGAGC ACTTAGTGCT GCAACAGAAG CAGGTGCAGC CACAGCTGCA
GCAGGAGGCA GAGCCACAGA AGCAGGTGCA GCCACAGTA CAGCCACAGG
CACATTACA GGGCCCAAGG CAGGTGCAGC TGCAGCAGGA GGCAGAGCCG
CTGAAGCAGG TGCAGCCACA GGTGCAGCCC CAGGCACATT CACAGCCCCC
AAGGCAGGTG CAGCTGCAGC TGCAGAAGCA GGTCCAGACA CAGACATATC
CACAGGTCCA CACACAGGCA CAGCCAAGCG TCCAGCCACA GGAGCATCCT
CCAGCGCAGG TGTCAGTACA GCCACCAGAG CAGACCCATG AGCAGCCTCA
CACCCAGCCG CAGGTGTCGT TGCTGGCTCC AGAGCAAACA CCAGTTGTGG
TTCATGTCTG CGGCTGGAG ATGCCACCTG ATGCAGTAGA AGCTGGTGGA
GGCATGGAAG AGACCTTGCC AGAGCCTGTG GGCACCCAAG TCAGCATGGA
AGAGATTGAG AATGAGTCGG CCTGTGGCCT AGATGTGGGA GAATGTGAAA
ACAGAGCGAG AGAGATGCCA GGGGTATGGG GCGCCGGGGG CTCCCTGAAG
GTCACCATTC TGCAGAGCAG TGACAGCCCG GCCTTTAGCA CTGTACCCCT
GACACCTGTC CCCCAGCCCA GTGACTCCGT CTCCTCCACC CCTGCGGCTA
CCAGCACTCC CTCTAAGCAG GCCCTCCAGT TCTTCTGCTA CATCTGCAAG
GCCAGCTGCT CCAGCCAGCA GGAGTTCCAG GACCACATGT CGGAGCCTCA
GCACCAGCAG CGGCTAGGGG AGATCCAGCA CATGAGCCAA GCCTGCCTCC
TGTCCTGCT GCCCGTGCCC CGGGACGTCC TGGAGACAGA GGATGAGGAG
CCTCCACCAA GCGCTGGTG CAACACCTGC CAGCTCTACT ACATGGGGGA
CCTGATCCAA CACCGCAGGA CACAGGACCA CAAGATTGCC AAACAATCCT
TGCGACCCCT CTGCACCGTT TGCAACCGCT ACTTCAAAAC CCCTCGCAAG
TTGTGGAGC ACGTGAAGTC CCAGGGGCAT AAGGACAAAG CCAAGGAGCT
GAAGTCGCTT GAGAAAGAAA TTGCTGGCCA AGATGAGGAC CACTTCATTA
CAGTGAGCGC TGTGGGTGTC TTCGAGGGTG ATGAAGAAGA GGAAGAGGAT
GATGAGGATG AAGAAGAGAT CGAGGTTGAG GAGGAACTCT GCAAGCAGGT
GAGGTCCAGA GATATATCCA GAGAGGAGTG GAAGGGCTCG GAGACCTACA
GCCCCAATAC TGCATATGGT GTGACTTCC TGGTGCCCGT GATGGGCTAT
ATCTGCCGCA TCTGCCACAA GTTCTATCAC AGCAACTCAG GGGCAGAGCT
CTCCCACTGC AAGTCCCTGG GCCACTTTGA GAACCTGCAG AAATACAAGG
CGGCCAAGAA CCCCAGCCCC ACCACCCGAC CTGTGAGCCG CCGGTGCGCA
ATCAACGCCC GGAACGCTT GACAGCCCTG TTCACCTCCA GCGGCCGCCC
ACCTTCCCAG CCAACACCC AGGACAAAAC ACCCAGCAAG GTGACGGCTC
GACCTTCCA GCCCCACTA CCTCGGCGCT CAACCCGCT CAAAACCTGA
TAGAGGGACC TCCCTGTCCC TGGCCTGCCT GGTCCAGAT CTGCTAATGC
TTTTTAGGAG TCTGCTGGA AACTTTGACA TGGTTCATGT TTTTACTCAA
AATCCAATAA AACAAGGTAG TTTGGCTGTG CAAAAAAAAA AAAAAAAAAA
AAAAAA

Figure 21D

Exon 8 minus variant 1

TGGGGGCTGC GGGGCCGGCC CATCCGTGGG GCGACTTGA GCGTTGAGGG
CGCGCGGGGA GCGAGCCAC CATGTTTCAGC CAGCAGCAGC AGCAGCTCCA
GCAACAGCAG CAGCAGCTCC AGCAGTTACA GCAGCAGCAG CTCCAGCAGC
AGCAATTGCA GCAGCAGCAG TTA CTGCAGC TCCAGCAGCT GCTCCAGCAG
TCCCCACCAC AGGCCCGGTT GCCCATGGCT GTCAGCCGGG GGCTCCCCC
GCAGCAGCCA CAGCAGCCGC TTCTGAATCT CCAGGGCACC AACTCAGCCT
CCCTCCTCAA CGGCTCCATG CTGCAGAGAG CTTTGCTTTT ACAGCAGTTG
CAAGGACTGG ACCAGTTTGC AATGCCACCA GCCACGTATG ACACTGCCGG
TCTCACCATG CCCACAGCAA CACTGGGTAA CCTCCGAGGC TATGGCATGG
CATCCCCAGG CCTCGCAGCC CCCAGCCTCA CACCCCCACA ACTGGCCACT
CCAAATTTGC AACAGTTCTT TCCCCAGGCC ACTCGCCAGT CCTTGCTGGG
ACCTCCTCCT GTTGGGGTCC CCATGAACCC TTCCAGTTC AACCTTTCAG
GACGGAACCC CCAGAAACAG GCGCGGACCT CCTCCTCTAC CACCCCAAT
CGAAAGGATT CTCTTCTCA GACAATGCCT GTGGAAGACA AGTCAGACC
CCCAGAGGGG TCTGAGGAAG CCGCAGAGCC CCGGATGGAC ACACCAGAAG
ACCAAGATTT ACCGCCCTGC CCAGAGGACA TCGCCAAGGA AAAACGCACT
CCAGCACCTG AGCCTGAGCC TTGTGAGGCG TCCGAGCTGC CAGCAAAGAG
ATTGAGGAGC TCAGAAGAGC CCACAGAGAA GGAACCTCCA GGGCAGTTAC
AGGTGAAGGC CCAGCCGAGC GCGCCGATGA CAGTACCGAA ACAGACACAG
ACACCAGACC TGCTGCCTGA GGCCCTGGAA GCCCAAGTGC TGCCACGATT
CCAGCCACGG GTCCTGCAGG TCCAGGCCCA GGTGCAGTCA CAGACTCAGC
CGCGGATACC ATCCACAGAC ACCCAGGTGC AGCCAAAGCT GCAGAAGCAG
GCGCAAACAC AGACCTCTCC AGAGCACTTA GTGCTGCAAC AGAAGCAGGT
GCAGCCACAG CTGCAGCAGG AGGCAGAGCC ACAGAAGCAG GTGCAGCCAC
AGGTACAGCC ACAGGCACAT TCACAGGGCC CAAGGCAGGT GCAGCTGCAG
CAGGAGGCAG AGCCGCTGAA GCAGGTGCAG ACAG GTCCACACAC AGGCA
CAGCC AAGCGTCCAG
CCACAGGAGC ATCTCCAGC GCAGGTGTCA GTACAGCCAC CAGAGCAGAC
CCATGAGCAG CTCACACCC AGCCGCAGGT GTCGTTGCTG GCTCCAGAGC
AAACACCAAGT TGTGGTTCAT GTCTGCGGGC TGGAGATGCC ACCTGATGCA
GTAGAAGCTG GTGGAGGCAT GGAAAAGACC TTGCCAGAGC CTGTGGGCAC
CCAAGTCAGC ATGGAAGAGA TTCAGAATGA GTCGCGCTGT GGCCTAGATG
TGGGAGAATG TGA AACAGA GCGAGAGAGA TGCCAGGGGT ATGGGGCGCC
GGGGGCTCCC TGAAGGTCA CATTCTGCAG AGCAGTGACA GCGGGGCTT
TAGCACTGTA CCCTGACAC CTGTCCCCG CCCCAGTGAC TCCGTCTCT
CCACCCCTGC GGCTACCAGC ACTCCCTCTA AGCAGGCCCT CCAGTTCTTC
TGCTACATCT GCAAGGCCAG CTGTCCAGC CAGCAGGAGT TCCAGGACCA
CATGTCCGAG CCTCAGCACC AGCAGCGGCT AGGGGAGATC CAGCACATGA
GCCAAGCCTG CCTCCTGTCC CTGCTGCCC TGCCCCGGGA CGTCTGGAG
ACAGAGGATG AGGAGCCTCC ACCAAGGCGC TGGTGCAACA CCTGCCAGCT
CTACTACATG GGGGACCTGA TCCAACACCG CAGGACACAG GACCACAAGA
TTGCCAAACA ATCCTTGCGA CCCTTCTGCA CCGTTTGCAA CCGTACTTC
AAAACCCCTC GCAAGTTTGT GGAGCACGTG AAGTCCAGG GGCATAAGGA
CAAAGCCAAG GAGCTGAAAT CGCTTGAGAA AGAAATGCT GGCCAAGATG
AGGACCACTT CATTACAGTG GACGCTGTGG GTTGCTTCCA GGGTGATGAA
GAAGAGGAAG AGGATGATGA GGATGAAGAA GAGATCGAGG TTGAGGAGGA
ACTCTGCAAG CAGGTGAGGT CCAGAGATAT ATCCAGAGAG GAGTGGAAAG
GCTCGGAGAC CTACAGCCCC AATACTGCAT ATGGTGTGGA CTTCCTGGTG
CCCGTGATGG GCTATATCTG CCGCATCTGC CACAAGTTCT ATCAGACAA
CTCAGGGGCA CAGCTCTCCC ACTGCAAGTC CCTGGGCCAC TTGAGAACC
TGCAGAAATA CAAGGCGGCC AAGAACCCCA GCCCCACCAC CCGACCTGTG
AGCCGCCGGT GCGCAATCAA CGCCCGGAAC GCTTTGACAG CCCTGTTTAC
CTCCAGCGGC CGCCACCCCT CCCAGCCCA CACCCAGGAC AAAACACCCA
GCAAGGTGAC GGCTCGACCC TCCCAGCCCC CACTACCTCG GCGCTCAACC
CGCTCAAAA CCTGATAGAG GGACCTCCCT GTCCCTGGCC TGCTGGGTG
CAGATCTGCT AATGCTTTT AGGAGTCTGC CTGGAAACTT TGACATGGTT
CATGTTTTTA CTCAAAATCC AATAAAACAA GGTAGTTTGG CTGTGCAAAA
AAAAAAAAA AAAAAAAAAA AA

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Figure 21E

Exon 8 minus variant 2
TGGGGGCTGC GGGGCCGGCC CATCCGTGGG GCGACTTGA GCGTTGAGGG
CGCGCGGGGA GCGAGCCAC CATGTTTCAGC CAGCAGCAGC AGCAGCTCCA
GCAACAGCAG CAGCAGCTCC AGCAGTTACA GCAGCAGCAG CTCCAGCAGC
AGCAATTGCA GCAGCAGCAG TTAAGTCAGC TCCAGCAGCT GCTCCAGCAG
TCCCCACCAC AGGCCCCGTT GCCCATGGCT GTCAGCCGGG GGCTCCCCC
GCAGCAGCCA CAGCAGCCGC TTCTGAATCT CCAGGGCACC AACTCAGCCT
CCCTCTCAA CGGCTCCATG CTGCAGAGAG CTTTGCTTTT ACAGCAGTTG
CAAGGACTGG ACCAGTTTGC AATGCCACCA GCCACGTATG AACTGCCCAG
TCTCACCATG CCCACAGCAA CACTGGGTAA CCTCCGAGGC TATGGCATGG
CATCCCCAGG CCTGCAGCC CCCAGCCTCA CACCCCCACA ACTGGCCACT
CCAAATTGTC AACAGTTCTT TCCCCAGGCC ACTCGCCAGT CTTGCTGGG
ACCTCTCTCT GTTGGGGTCC CCATGAACCC TTCCAGTTT AACCTTTCAG
GACGGAACCC CCAGAAACAG GCCCGGACCT CCTCTCTAC CACCCCCAAT
CGAAAGGATT CTCTTCTCA GACAATGCCT GTGGAAGACA AGTCAGACCC
CCCAGAGGGG TCTGAGGAAG CCGCAGAGCC CCGGATGGAC ACACCAGAAG
ACCAAGATTT ACCGCCCTGC CCAGAGGACA TCGCCAAGGA AAAACGCACT
CCAGCACCTG AGCCTGAGCC TTGTGAGGCG TCCGAGCTGC CAGCAAAGAG
ATTGAGGAGC TCAGAAGAGC CCACAGAGAA GGAACCTCCA GGCAGTTAC
AGGTGAAGGC CCAGCCGAGC GCCCGGATGA CAGTACCGAA ACAGACACAG
ACACCAGACC TGCTGCCTGA GGCCCTGGAA GCCCAAGTGC TGCCACGATT
CCAGCCACCG GTCTGCAGG TCCAGGCCCA GGTGCAGTCA CAGACTCAGC
CGCGGATACC ATCCACAGAC ACCCAGGTGC AGCCAAAGCT GCAGAAGCAG
GCGCAAACAC AGACCTCTCC AGAGCACTTA GTGCTGCAAC AGAAGCAGT
GCAGCCACAG CTGCAGCAGG AGGCAGAGCC ACAGAAGCAG GCATCTCCA
AGGTCCACAC ACAGGCACAG CCAAGCGTCC AGCCACAGGA GCATCTCCA
GCGCAGGTGT CAGTACAGCC ACCAGAGCAG ACCCATGAGC AGCCTCACAC
CCAGCCGAGG GTGTCGTTGC TGGCTCCAGA GCAAAACCCA GTTGTGGTTT
ATGTCGCGG GCTGGAGATG CCACCTGATG CAGTAGAAGC TGGTGGAGG
GATTGAAAAG CTTGCCAGA GCCTGTGGG ACCCAAGTCA GCATGGAAGA
GAGCGAGAGA GATGCCAGG GTATGGGGG CCGGGGGCTC CTTGAAAGGT
ACCATCTGTC AGAGCAGTGA CAGCCGGGCC TTAGCACTG TACCCCTGAC
ACCTGTCCCC CGCCCCAGTG ACTCCGTCTC CTCCACCCCT GCGGCTACCA
GCACTCCCTC TAAGCAGGCC CTCCAGTTCT TCTGCTACAT CTGCAAGGCC
AGCTGCTCCA GCCAGCAGGA GTTCCAGGAC CACATGTCCG AGCCTCAGCA
CCAGCAGCGG CTAGGGGAGA TCCAGCACAT GAGCCAAGCC TGCTCTCTGT
CCCTGTGCTG CGTGCCCCGG GACGTCTGG AGACAGAGGA TGAGGAGCCT
CCACCAAGGC GCTGGTGCAA CACCTGCCAG CTCTACTACA TGGGGGACCT
GATCCAACAC CGCAGGACAC AGGACCACAA GATTGCCAAA CAATCCTTGC
GACCCTTCTG CACCGTTTGC AACCGCTACT TCAAAACCCC TCGCAAGTTT
GTGGAGCACG TGAAGTCCA GGGGCATAAG GACAAAGCCA AGGAGCTGAA
TGCGCTTGTG AAAGAAATG CTGGCCAAGA TGAGGACCAC TTCATTACAG
GAGGATGAAG AAGAGATCGA GGTGAGGAG GAACTCTGCA AGCAGGTGAG
GTCCAGAGAT ATATCCAGAG AGGAGTGGAA GGGCTCGAG ACCTACAGCC
CCAATACTGC ATATGGTGTG GACTTCTTGG TGCCCGTGT GGGCTATATC
TGCCGCATCT GCCACAAGTT CTATCACAGC AACTCAGGGG CACAGCTCTC
CCACTGCAAG TCCCTGGGCC ACTTTGAGAA CCTGCAGAAA TACAAGGCGG
AACGCCCGGA ACGCTTTGAC AGCCCTGTTT ACCTCCAGCG GCCGCCACC
CTCCCAGCCC AACCCCCAGG ACAAACACC CAGCAAGGTG ACGGCTCGAG
CTCCCAGGCC CCCACTACCT CGGCGCTCAA CCGCCTCAA AACCTGATG
AGGGACCTCC CTGTCCCTGG CTGCTGGG TCCAGATCTG CTAATGCTT
TTAGGAGTCT GCCTGGAAC TTTGACATGG TTCATGTTT TACTCAAAAT
CCAATAAAC AAGGTAGTTT GGCTGTGCAA AAAAAAAAAA AAAAAAAAAA

Exon 8 minus variant 3

TGGGGGCTGC GGGGCCGGCC CATCCGTGGG GGCAGCTTGA GCGTTGAGGG
CGCGCGGGGA GGCGAGCCAC CATGTTTCAGC CAGCAGCAGC AGCAGTCCA
GCAACAGCAG CAGCAGTCC AGCAGTTACA GCAGCAGCAG CTCCAGCAGC
AGCAATTGCA GCAGCAGCAG TTA CTGCAGC TCCAGCAGCT GCTCCAGCAG
TCCCCACCAC AGGCCCGTT GCCCATGGCT GTCAGCCGGG GGCTCCCCC
GCAGCAGCCA CAGCAGCCGC TTCTGAATCT CCAGGGCACC AACTCAGCCT
CCCTCCTCAA CGGCTCCATG CTGCAGAGAG CTTTGCTTTT ACAGCAATTG
CAAGGACTGG ACCAGTTTGC AATGCCACCA GCCACGTATG AACTGCCGG
TCTCACCATG CCCACAGCAA CACTGGGTAA CCTCCGAGGC TATGGCATGG
CATCCCCAGG CCTGCAGCC CCCAGCCTCA CACCCCCACA ACTGGCCACT
CCAAATTGTC AACAGTTCTT TCCCCAGGCC ACTCGCCAGT CTTGCTGGG
ACCTCCTCCT GTTGGGGTCC CCATGAACCC TTCCAGTTC AACCTTTCAG
GACGGAACCC CCAGAAACAG GCCCGGACCT CTTCTCTAC CACCCCAAT
CGAAAGGATT CTTCTTCTCA GACAATGCCT GTGGAAGACA AGTCAGACCC
CCAGAGGGG TCTGAGGAAG CCGCAGAGCC CCGGATGGAC ACACCAGAAG
ACCAAGATTT ACCGCCCTGC CCAGAGGACA TCGCCAAGGA AAAACGCACT
CCAGCACCTG AGCCTGAGCC TTGTGAGGCG TCCGAGCTGC CAGCAAAGAG
ATTGAGGAGC TCAGAAGAGC CCACAGAGAA GGAACCTCCA GGGCAGTTAC
AGGTGAAGGC CCAGCCGAG GCCCGGATGA CAGTACCGAA ACAGACACAG
ACACCAGACC TGCTGCCTGA GGCCCTGGAA GCCCAAGTGC TGCCACGATT
CCAGCCACGG GTCCTGCAGG TCCAGGCCTC CACAGGTCCA CACACAGGCA
CAGCCAAGCG TCCAGCCACA GGAGCATCCT CCAGCGCAGG TGTCAGTACA
GCCACCAGAG CAGACCCATG AGCAGCCTCA CACCCAGCCG CAGGTGTCTG
TGCTGGCTCC AGAGCAAACA CCAGTTGTGG TTCATGTCTG CCGGCTGGAG
ATGCCACCTG ATGCAGTAGA AGCTGGTGGA GGCATGGAAA AGACCTTGCC
AGAGCCTGTG GGCACCCAAG TCAGCATGGA AGAGATTGAG AATGAGTCG
CCTGTGGCCT AGATGTGGGA GAATGTGAAA ACAGAGCGAG AGAGATGCCA
GGGGTATGGG GCGCCGGGGG CTCCCTGAAG GTCACCATTC TGCAGAGCAG
TGACAGCCGG GCCTTAGCA CTGTACCCCT GACACCTGTC CCCC GCCCA
GTGACTCCGT CTCCTCCACC CTTGCGGCTA CCAGCACTCC CTCTAAGCAG
GCCCTCCAGT TCTTCTGCTA CATCTGCAAG GCCAGCTGCT CCAGCCAGCA
GGAGTTCCAG GACCACATGT CGGAGCCTCA GCACCAGCAG CGGCTAGGGG
AGATCCAGCA CATGAGCCAA GCCTGCCTCC TGTCCTGCT GCGCGTGCCC
CGGGACGTCC TGGAGACAGA GGATGAGGAG CCTCCACCAA GCGCTGGTG
CAACACCTGC CAGCTCTACT ACATGGGGGA CTGATCCAA CACCGCAGGA
CACAGGACCA CAAGATTGCC AAACAATCCT TGCGACCCTT CTGCACCGTT
TGCAACCGCT ACTTCAAAAC CCCTCGCAA TTTGTGGAGC ACGTGAAGTC
CCAGGGGCAT AAGGACAAAG CCAAGGAGCT GAAGTCGCTT GAGAAAGAAA
TTGCTGGCCA AGATGAGGAC CACTTCATTA CAGTGGACGC TGTGGGTTGC
TTGAGGGGTG ATGAAGAAGA GGAAGAGGAT GATGAGGATG AAGAAGAGAT
CGAGGTTGAG GAGGAACTCT GCAAGCAGGT GAGGTCCAGA GATATATCCA
GAGAGGAGTG GAAGGGCTCG GAGACCTACA GCGCCAAATAC TGCATATGGT
GTGGACTTCC TGGTGCCCGT GATGGGCTAT ATCTGCCGCA TCTGCCACAA
GTTCTATCAC AGCAACTCAG GGGCACAGCT CTCCCACTGC AAGTCCCTGG
GCCACTTTGA GAACCTGCAG AAATACAAGG CGGCCAAGAA CCCCAGCCCC
ACCACCCGAC CTGTGAGCCG CCGGTGCGCA ATCAACGCCC GGAACGCTTT
GACAGCCCTG TTCACCTCCA GCGGCCGCC ACCTCCAG CCAACACCC
AGGACAAAAC ACCAGCAAG GTGACGGCTC GACCTCCCA GCGCCACTA
CCTCGCGCT CAACCCGCT CAAAACCTGA TAGAGGGACC TCCCTGTCCC
TGGCCTGCCT GGGTCCAGAT CTGCTAATGC TTTTAGGAG TCTGCCTGGA
AACTTGACA TGGTTCATGT TTTACTCAA AATCCAATAA AACAAGGTAG
TTTGCTGTG CAAAAAAAAA AAAAAAAAAA AAAAAA

Figure 21G

Exon 14 minus transcript

TGGGGGCTGC GGGGCCGGCC CATCCGTGGG GGCAGCTTGA GCGTTGAGGG
CGCGCGGGGA GGCAGCCAC CATGTTTACG CAGCAGCAGC AGCAGCTCCA
GCAACAGCAG CAGCAGCTCC AGCAGTTACA GCAGCAGCAG CTCCAGCAGC
AGCAATTGCA GCAGCAGCAG TTAAGTCAGC TCCAGCAGCT GCTCCAGCAG
TCCCCACCAC AGGCCCCGTT GCCCATGGCT GTCAGCCGGG GGCTCCCCC
GCAGCAGCCA CAGCAGCCGC TTCTGAATCT CCAGGGCACC AACTCAGCCT
CCCTCCTCAA CGGCTCCATG CTGCAGAGAG CTTTGCTTTT ACAGCAGTTG
CAAGGACTGG ACCAGTTTGC AATGCCACCA GCCACGTATG AACTGCCGG
TCTCACCATG CCCACAGCAA CACTGGGTAA CCTCCGAGGC TATGGCATGG
CATCCCCAGG CCTCGCAGCC CCCAGCCTCA CACCCCCACA ACTGGCCACT
CCAAATTGTC AACAGTTCTT TCCCCAGGCC ACTCGCCAGT CCTTGCTGGG
ACCTCCTCCT GTTGGGGTCC CCATGAACCC TTCCAGTTT AACCTTTTCA
GACGGAACCC CCAGAAACAG GCCCGGACCT CCTCCTCTAC CACCCCCAAT
CGAAAGGATT CTTCTTCTCA GACAATGCCT GTGGAAGACA AGTCAGACCC
CCCAGAGGGG TCTGAGGAAG CCGCAGAGCC CCGGATGGAC ACACCAGAA
ACCAAGATT ACCGCCCTGC CCAGAGGACA TCGCCAGGA AAAACGCACT
CCAGCACCTG AGCCTGAGCC TTGTGAGGCG TCCGAGCTGC CAGCAAAGAG
ATTGAGGAGC TCAGAAAGAG CCACAGAGAA GGAACCTCCA GGGCAGTTAC
AGGTGAAGGC CCAGCCGAGC GCCCGGATGA CAGTACCGAA ACAGACACAG
ACACCAGACC TGCTGCCTGA GGCCCTGGAA GCCCAAGTGC TGCCACGATT
CCAGCCACGG GTCTGACAGG TCCAGGCCCA GGTGCAGTCA CAGACTGCAG
GGCGGATACC ATCCACAGAC ACCCAGGTGC AGCCAAAGCT GCAGAAAGCAG
GCGCAAACAC AGACCTCTCC AGAGCACTTA GTGCTGCAAC AGAAGCAGGT
GCAGCCACAG CTGCAGCAGG AGGCAGAGCC ACAGAAGCAG GTGCAGCCAC
AGGTACAGCC ACAGGCACAT TCACAGGGCC CAAGGCAGGT GCAGCTGCAG
CAGGAGGCAG AGCCGCTGAA GCAGGTGCAG CCACAGGTGC AGCCCCAGGC
ACATTACAG CCCCCAAGGC AGGTGCAGCT GCAGCTGCAG AAGCAGGTCC
AGACACAGAC ATATCCACAG GTCCACACAC AGGCACAGCC AAGCGTCCAG
CCACAGGAGC ATCTCCAGC GCAGGTGTCA GTACAGCCAC CAGAGCAGAC
CCATGAGCAG CCTCACACCC AGCCGCAGGT GTCGTTGCTG GCTCCAGAGC
AAACACCAGT TGTGTTTCAT GTCTGCGGGC TGGAGATGCC ACCTGATGCA
GTAGAAGCTG GTGGAGGCAT GGAAAAGACC TTCCAGAGC CTGTGGCCAC
CCAAGTCAGC ATGGAAGAGA TTCAGAATGA GTCGGCCTGT GGCCTAGATG
TGGGAGAATG TGAAGACAGA GCGAGAGAGA TGCCAGGGGT ATGGGGCGCC
GGGGGCTCCC TGAAGGTCAC CATTCTGCAG AGCAGTGACA GCGGGCCTT
TAGCACTGTA CCCCTGACAC CTGTCCCCCG CCCCAGTGAC TCCGTCTCCT
CCACCCCTGC GGCTACCAGC ACTCCCTCTA AGCAGGCCCT CCAATTCTTC
TGCTACATCT GCAAGGCCAG CTGTCCAGC CAGCAGGAGT TCCAGGACCA
CATGTCCGAG CCTCAGCACC AGCAGCGGCT AGGGGAGATC CAGCACATGA
GCCAAGCCTG CCTCCTGTCC CTGTGCCCCG TGCCCCGGGA CGTCTGGAG
ACAGAGGATG AGGAGCCTCC ACCAAGGCGC TGGTGCAACA CCTGCCAGCT
CTACTACATG GGGGACCTGA TCCAACACCG CAGGACACAG GACCACAAGA
TTGCCAAACA ATCCTTGCGA CCCTTCTGCA CCGTTTGCAA CCGCTACTTC
AAAACCCCTC GCAAGTTTGT GGAGCACGTG AAGTCCCAGG GGCATAAGGA
CAAAGCCAAG GAGCTGAAGT CGCTTGAGAA AGAAATTGCT GGCCAAGATG
AGGACCACTT CATTACAGTG GACGCTGTGG GTTGCTTCTG GGGTATGAA
GAAGAGGAAG AGGATGATGA GGATGAAGAA GAGATCGAGG TGAGGTCCAG
AGATATATCC AGAGAGGAGT GGAAGGGCTC GGAGACCTAC AGCCCCAATA
CTGCATATGG TGTGGACTTC CTGGTGCCCC TGATGGGCTA TATCTGCCGC
ATCTGCCACA AGTTCTATCA CAGCAACTCA GGGGCACAGC TCTCCCACTG
CAAGTCCCTG GGCCACTTTG AGAACCTGCA GAAATACAAG GCGGCCAAGA
ACCCAGGCC CACCACCCGA CCTGTGAGCC GCGGTGCGC AATCAACGCC
CGGAACGCTT TGACAGCCCT GTTACCTCC AGCGGCCGCC CACCTCCCA
GCCAACACC CAGGACAAAA CACCCAGCAA GGTGACGGCT CGACCCCTCC
AGCCCCACT ACCTCGGCGC TCAACCCGCC TCAAAACCTG ATAGAGGGAC
CTCCCTGTCC CTGGCCTGCC TGGGTCCAGA TCTGCTAATG CTTTATGGA
GTCTGCCTGG AAACCTTGAC ATGGTTCATG TTTTACTCA AAATCCAATA
AAACAAGGTA GTTTGGCTGT GCAAAAAAAA AAAAAAAAAA AAAAAAAA

Also to be protected are transcripts which lack combinations of the variable exons. For example:-

Exon 14 and partial exon 6 minus variant

TGGGGGCTGC GGGGCCGGCC CATCCGTGGG GCGGACTTGA GCGTTGAGGG
 CGCGCGGGGA GCGGAGCCAC CATGTTTCAGC CAGCAGCAGC AGCAGCTCCA
 GCAACAGCAG CAGCAGCTCC AGCAGTTACA GCAGCAGCAG CTCCAGCAGC
 AGCAATTGCA GCAGCAGCAG TTAAGTCAGC TCCAGCAGCT GCTCCAGCAG
 TCCCCACCAC AGGCCCCGTT GCCCATGGCT GTCAGCCGGG GGCTCCCCC
 GCAGCAGCCA CAGCAGCCGC TTCTGAATCT CCAGGGCACC AACTCAGCCT
 CCTCCTCAA CGGCTCCATG CTGCAGAGAG CTTTGCTTTT ACAGCAGTTG
 CAAGGACTGG ACCAGTTTGC AATGCCACCA GCCACGTATG AACTGCGCG
 TCTCACCATG CCCACAGCAA CACTGGGTAA CCTCCGAGGC TATGGCATGG
 CATCCCCAGG CTGCGCAGCC CCCAGCCTCA CACCCCCACA ACTGGCCACT
 CCAAATTTGC AACAGTTCTT TCCCCAGGCC ACTCGCCAGT CCTTGCTGGG
 ACCTCCTCCT GTTGGGGTCC CCATGAACCC TTCCAGTTT AACCTTTCAG
 GACGGAACCC CCAGAAACAG GCCCGGACCT CCTCCTCTAC CACCCCAAT
 CGAAAGACAA TGCCTGTGGA AGACAAGTCA GACCCCCAG AGGGGTCTGA
 GGAAGCCGCA GAGCCCCGGA TGGACACACC AGAAGACCAA GATTTACCGC
 CCTGCCCCAG GGACATCGCC AAGGAAAAAC GCACTCCAGC ACCTGAGCCT
 GAGCCTTGTG AGGCGTCCGA GCTGCCAGCA AAGAGATTGA GGAGCTCAGA
 AGAGCCCA GAGAAGGAAC CTCCAGGGCA GTTACAGGTG AAGGCCCAGC
 CGCAGGCCCC GATGACAGTA CCGAAACAGA CACAGACACC AGACCTGCTG
 CCTGAGGCCC TGGAAAGCCA AGTGCTGCCA CGATTCCAGC CACGGGTCTT
 GCAGGTCCAG GCCCAGGTGC AGTCACAGAC TCAGCCGCGG ATACCATCCA
 CAGACACCCA GGTGCAGCCA AAGCTGCAGA AGCAGGCCGA AACACAGACC
 TCTCCAGAGC ACTTAGTGCT GCAACAGAAG CAGGTGCAGC CACAGCTGCA
 GCAGGAGGCA GAGCCACAGA AGCAGGTGCA GCCACAGGTG CAGCCACAGG
 CACATTACCA GGGCCCAAGG CAGGTGCAGC TGCAGCAGGA GGCAGAGCCG
 CTGAAGCAGG TGCAGCCACA GGTGCAGCCC CAGGCACATT CACAGCCCCC
 AAGGCAGGTG CAGCTGCAGC TGCAGAAGCA GGTCCAGACA CAGACATATC
 CACAGGTCCA CACACAGGCA CAGCCAAGCG TCCAGCCACA GGAGCATCCT
 CCAGCGCAGG TGTCAGTACA GCCACCAGAG CAGACCCATG AGCAGCCTCA
 CACCCAGCCG CAGGTGTCTG TGCTGGCTCC AGAGCAAACA CCAGTTGTGG
 TTCATGTCTG CGGGCTGGAG ATGCCACCTG ATGCAGTAGA AGCTGGTGGA
 GGCAATGAAA AGACCTTGCC AGAGCCTGTG GGCACCCAAG TCAGCATGGA
 AGAGATTGAG AATGAGTCGG CTGTGGCCT AGATGTGGGA GAATGTGAAA
 ACAGAGCGAG AGAGATGCCA GGGGTATGGG GCGCCGGGGG CTCCTGAAG
 GTCACCATTC TGCAGAGCAG TGACAGCCG GCCTTTAGCA CTGTACCCCT
 GACACCTGTC CCCCAGCCCA GTGACTCCGT CTCCTCCACC CCTGCGGCTA
 CCAGCACTCC CTCTAAGCAG GCCCTCCAGT TCTTCTGCTA CATCTGCAAG
 GCCAGCTGCT CCAGCCAGCA GGAGTTCCAG GACCACATGT CGGAGCCTCA
 GCACCAGCAG CCGCTAGGGG AGATCCAGCA CATGAGCCAA GCCTGCCTCC
 TGTCCTGCT GCCCGTCCC CGGGACGTCC TGGAGACAGA GGATGAGGAG
 CCTCCACCAA GGCGCTGGTG CAACACCTGC CAGCTCTACT ACATGGGGGA
 CCTGATCCAA CACCGCAGGA CACAGGACCA CAAGATTGCC AAACAATCCT
 TGCAGCCCTT CTGCACCGTT TGCAACCGCT ACTTCAAAAC CCTCGCAAG
 TTTGTGGAGC ACGTGAAGTC CCAGGGGCAT AAGGACAAAG CCAAGGAGCT
 GAAGTCGCTT GAGAAAGAAA TTGCTGGCCA AGATGAGGAC CACTTCATTA
 CAGTGGACGC TGTGGGTTCG TTCGAGGGTG ATGAAGAAGA GGAAGAGGAT
 GATGAGGATG AAGAAGAGAT CGAGGTGAGG TCCAGAGATA TATCCAGAGA
 GGAGTGGAAG GGCTCGGAGA CCTACAGCCC CAATACTGCA TATGGTGTGG
 ACTTCTGGT GCCCGTGATG GGCTATATCT GCCGCATCTG CCACAAGTTC
 TATCACAGCA ACTCAGGGGC ACAGCTCTCC CACTGCAAGT CCCTGGGCCA
 CTTTGAGAAC CTGCAGAAAT ACAAGGGGGC CAAGAACCCC AGCCCCACCA
 CCCGACCTGT GAGCCGCGG TGCGCAATCA ACGCCCGGAA OGCTTTGACA
 GCCCTGTTCA CCTCCAGCGG CCGCCACCC TCCAGCCCA ACACCCAGGA
 CAAAACACCC AGCAAGGTGA CGGCTCGACC CTCCAGCCC CCACTACCTC
 GGCCTCAAC CCGCCTCAA ACCTGATAGA GGGACCTCCC TGTCCCTGGC
 CTGCTGGGT CCAGATCTGC TAATGCTTTT TAGGAGTCTG CCTGGAAACT
 TTGACATGGT TCATGTTTTT ACTCAAAATC CAATAAAACA AGGTAGTTTG
 GCTGTGCAAA AAAAAAAAAA AAAAAAAAAA AAA

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